CHEMIST AND DRUGGIST

RETAILER

WHOLESALER

MANUFACTURER

NOVEMBER 13, 1948

Essential for domestic first-aid—

PROPAMIDINE CREAM—M&B a safe and highly effective local antiseptic

burns

stings etc

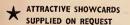
abrasions insect bites

stings etc.

Propamidine is highly active against hæmolytic streptococci, staphylococci and certain other pyogenic organisms.

There is obviously a large potential sale for a product of this type—a tube of Propamidine Cream—M&B should be in every household medicine cabinet.

Make sure of your share of this business by ordering initial stocks through your wholesaler now.



BONUS TERMS OF 13 TO THE DOZEN AVAILABLE IN RETURN FOR DISPLAY SERVICES

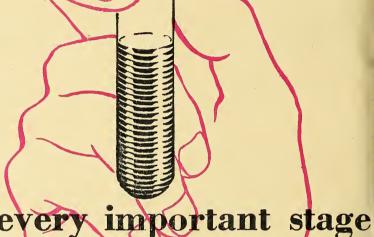
Supplied in convenient 1 oz. tubes
Retail Price: Is. 9d. plus Purchase Tax



MAY & BAKER LTD.

distributors: PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD. DAGENHAM

48087



of its manufacture every batch of Monsanto pharmaceuticals is carefully checked by highly specialised control chemists. Then on top of all that, not a pound or a pint of a Monsanto product is passed for dispatch or further use until it has undergone the most critical analytical tests. For full details of Monsanto's complete range of pharmaceuticals, write to: Monsanto Chemicals Limited, Victoria Station House, London, S.W.1.

Monsanto Chemicals

ACETYL SALICYLIC ACID BP; ASPIRGRAN;
SALICYLIC ACID BP; SODIUM SALICYLATE BP;
METHYL SALICYLATE BP; PHENACETIN BP;
PHENOLPHTHALEIN BP; SODIUM BENZOATE BP;
BENZOIC ACID BP; VANILLIN, PHENOL BP;
CRESOL BP; LYSOL BP; CRESANTOL-3;
CRESANTOL-15; CRESANTOL-15 R;
PCMC(CHLOROCRESOL BP); PCMX(CHLOROXYLENOL BP)

SERVING INDUSTRY WHICH SERVES MANKIND

when the call is for



For pharmacist and customer alike, Ostocalcium is a *satisfying* preparation. It fulfils its function efficiently, pleasantly and economically ... that is why Ostocalcium is synonymous with "oral calcium" in the minds of so many doctors.

Each Ostocalcium Tablet yields 125 milligrams of calcium together with 500 i.u. of vitamin D to ensure proper assimilation of the mineral by the body. Mint-flavoured, Ostocalcium Tablets may be chewed or crushed and taken in milk or water, whichever method is most acceptable. The tablets have cleavage lines to facilitate divided dosage. Study the parcel prices below and you will notice that Ostocalcium shows a satisfactory profit-margin as well.



50, 2/3d. plus 7d. tax

--,-,--,---

Parcel No. 1 2 doz. x 50's

£1.16.0 plus 13/6d, tax

100, 4/- plus 1/- tax

Parcel No. 2 1 doz. x 100's £1.12.0 plus 12/- tax

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRon 3434





It is, and has always been, the policy of the House of Meggeson to reserve

Meggeson Bismuth Dyspepsia Tablets for sale to the public by Qualified Chemists only. Thanks to the co-operation of Retail Pharmacists in every part of the Kingdom, this therapeutically sound preparation is well on the way to becoming the leading indigestion relief. As public demand for it increases further, so will its importance to Qualified Chemists. It shows a good margin of profit and can be liberally displayed with advantage. Attention is directed to the new retail prices as follows:— SMALL SIZE 1/9, LARGE SIZE 4/6.

A PHARMACEUTICAL PRODUCT OF THE HOUSE OF

MEGGESON

THE NAME BEHIND THE CHEMIST



FOR OVER A CENTURY AND A HALL

MEGGESON & CO., LTD., LONDON, S.E.16



Profits for you

This winter our National Press Advertising stresses to millions of potential customers the importance of resisting colds and influenza by taking regularly CROOKES HALIBUT OIL AND CAPSULES.

All you need do is to be ready to cash in on the bigger than ever demand for our famous product which gives you a profit of nearly 40% if bought on bonus terms.

CROOKES HALIBUT

CROOKES HALIBUT OIL STANDARD BONUS PARCELS PARCEL 39 x 25 Capsules @ 2/6 Retail Total retail value £4 17 6
Cost of parcel ... £3 0 9 PARCEL 13 x 15 c.c. Drops @ 5 Retail Total retail value £3 5 0 Cost of parcel ... £2 0 6 PARCEL 39 x 5 c.c. Drops @ 2/- Retail H Total retail value £3 18 0 Cost of parcel ... £2 8 7 PARCEL 13 x 30 c.c. Drops @ 9/- Retail
Total retail value £5 17 0
Cost of parcel ... £3 12 11 PARCEL 13 x 100 Capsules @ 8/6 Retail
L Total retail value £5 10 6
Cost of parcel ... £3 8 10

PARCEL 39 x 100 Capsules @ 8/6 Retail

M Total retail value £16 11 6
Cost of parcel ... £10 6 6

PARCEL 13 x 15 c.c. Infants Emulsion

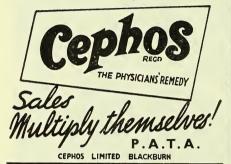
@ 3/6 Retail Total retail value Cost of parcel ...

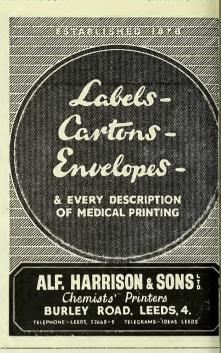
HE CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON · N.W.10

What's ADDIFICATION?

4

Never heard of it? Why it's simply putting Cephos on display on your counter and in the window to link up with the widespread national advertising for





Cardophylin

TRADE MARK
(THEOPHYLLINE-ETHYLENEDIAMINE)

VASODILATOR · **RESPIRATORY STIMULANT** · **DIURETIC**

Cardophylin is a drug of outstanding value in the treatment of diseases of the Cardiovascular system, respiratory disturbances and cedema.

Supplied in :-

TABLETS for oral use, each tablet containing 0.1 g In tubes of 20 and bottles of 100 and 250.

AMPOULES for intravenous injection, each containing 0.24 g. in 10 c.c. In boxes of 5 ampoules. AMPOULES for ntramuscular injection, each containing 0.48 g. in 2 c.c. In boxes of 6 ampoules.

SUPPOSITORIES, each containing 0.36 g. In boxes of 10 Suppositories.

Manufactured by WHIFFEN & SONS LTD.

Distributed by BRITISH CHEMICALS & BIOLOGICALS Ltd., (Bengers-Genatosan Division) LOUGHBOROUGH

to whom all orders and enquiries should be sent

INDEX TO ADVERTISERS

ton Pill & Tablet Co.,	Clinical Products, Ltd xiii	Freudentheil, Smith & Co.
	Cooper Laboratory, Ltd 8	Leader Page
len, Stafford, & Sons, Ltd. 20	Cooper, Son & Co., Ltd.	Fryer & Co. (Nelson), Ltd. 32
derson & Reeves, Ltd 21	Leader Page	Fulford, C. E., Ltd 15
midar, Ltdxxxii	Corby Pharmacy, Ltdxxxvi	
kinsons 29	Cox, Arthur H., & Co., Ltd. 18	Gale, Baiss & Co., Ltd iv
	Crookes Laboratories, Ltd 3	General Electric Co., Ltd xxi
rnes, M. HCol. Supp.	Crosskill C. R., & Sons x	Gibson, Robert, & Sons, Ltd. 14
atson, Clark & Co., Ltd iv	Cupal, Ltdxxxii	Glaxo Laboratories, Ltd 1
ll, John, Hills & Lucas,		Greeff, R. W., & Co., Ltd. 7
LtdLeader Page	Cyanamid Products, Ltd 23	Greyer, Brecheisen & Co.,
llig, J., & Sons, Ltd xxii	Cyclo Chemicals, Ltd x	Ltd vii
ackwell. Haves & Co	,	Griffiths Hughes, E., Ltd 27
Ltdxxviii	D.D.D. Co., Ltd	Orimins Hughes, D., Litt 27
vton, Astley & Co., Ltd 15	Dae Health Laboratories, Ltd	House II. (C I I)
b Martin, Ltdxxiii	Ltd xxxv	Harris, Hart & Co., Ltd iv
itish Drug Houses, Ltd. The itish Felsol Co., Ltd. Cover iv	Dales Aspirin & Tableting	Harrison, A., & Sons, Ltd 4
The i	Co	Heward, R. H., & Co xii
itish Felsol Co., Ltd., Cover iv	Dalmas, A. de St. Co., Ltd. 13	newlett, C. J. & Son, Ltd 12
itish Permanent Starch Co.	Daniel Richard & Son Ltd. 13	Hinders, Ltdxxviii
Ltd. xxiv	Daniel, Richard, & Son, Ltd. 13 Denver Chemical Mfg. Co xxx	Howard, Lloyd & Co., Ltd. 26
itish Rototherm Co., Ltd. xxiv	Domestic Supplies	
litich Scharing Itd 5	Dominion Start Company	Industrial Tapes, Ltd. Leader Page
itton Malcolm & Co	Ltd Steel Corporation,	Ingram. I. G. & Son Ltd vii
Ltd. iv	Draper C & Co Itd	Institute of Chemists-Opti-
enchovydrin (1945) Ltd vyvi	Ltd	Institute of Chemists-Opti- cians
ummer I viii	Daniopino VIII	International Chemical Co., Ltd
rrough James Itd	Edwards Surgical Supplies www.i	Ltd 30
Leader Page	Elesco Mnfg. Co., Ltdxxxvi	
rroughs Wallcome & Co 35	En Ess Towelsxxxvi	Jackson, G., & Sons, Ltd 22
	Ewbanks, Ltd	Janssen's Herbal Tablets,
milatone Shampoos 28	LWDallas, Ltu 10	Drxxxiii
nnon Rubber Manufac-	Favell T I & Co Itd	Jeffreys, Miller & Co., Ltd 15
curere Itd Cover iii	Favell, T. J., & Co., Ltdxxxvi Feen-a-Mint 14	Jenner Institute for Calf
rr's Flour Mills I td 10	Ferris & Co., Ltd	Lymph, Ltdxxviii
rtwright W R Itd 6		Dynipii, LtdXXVIII
etla Huskisson Itd 94	Fink, F., & Co vi	V. f. TI OO T : 22
phoe I td	Focus, Ltdxxxvi	Kertoot, Inomas, & Co., Ltd. 36
emo-Plastics, Ltd xiv	Franks, A., & Bartlett Co., Ltd	Koko Maricopas Co., Ltd 24
Tenio-i lastics, Ltd XIV	Ltu 24	(continued overleaf)

concerning 'ALBUCID'

British Schering Limited are pleased to advise the profession that the following 'ALBUCID' preparations of sulphacetamide and sulphacetamide sodium are no longer included in the Fourth Poison Schedule, but remain in the First Schedule.

Their form of presentation is included for information.

'ALBUCID' Soluble Burn and Wound Dressing — Tubes of 28 and 110 gram.

'ALBUCID' Soluble Dental Cerate ('ALBUCERATE')—Tubes of

'ALBUCID' Soluble Eye Ointment — Tubes 2½% in 4 and 25 gram.

'ALBUCID' Soluble First Aid Dressing—Tubes of 28 gram.
'DERMUCID' Dermatological Cream—Jars of 12.5, 25 and 50 gram.

★ Comprehensive

rice Lists of our full

range of pharmaceutical

reparations are available and

will be supplied upon request.

re you in possession of a copy?

British Schering

67-169 GREAT PORTLAND STREET, LONDON, W.I

INDEX (contd.)

Lambeth & Co. (Liverpool), Ltd. xxxvi Lax-Vita, Ltd. xxxxii Lodge, Robin, Ltd. vii Loveluck, Edwards & Co. Leader Page Lusty's Natural Products Co. xxviii
MacAndrews & Forbes, Ltd. ii Macdonald & Son, Ltd 16 Manesty Machines, Ltd 31 Markwell Edwards & Co xviii Marns, T., Ltd xxiii Mathews & Wilson, Ltd 10 Maw, S., Son & Sons, Ltd. 11 Medico-Biological Laboratories, Ltd xxv Meggeson & Co., Ltd 2 Middleton & Co., Ltd xxviii Mono Containers, Ltd xviii Monsanto Chemicals, Ltd.
Myers, S. I x
Napp, H. R., LtdLeader Page National Glass Works (York), Ltd vii Northern Centre xxii
Orridge & CoCol. Supp.
Pascall Engineering Co., Ltd. viii Percenta, Ltd

Phillips, Chas. H., Chemical Co., Ltd. Phosferine (Ashton & Parsons), Ltd. Pierson Morrell & Co., Ltd.	25 22
Potter & Clarke, Ltd	33
Prestoband	xiii
Radiol Co., The	34
Ransom, Wm., & Son, Ltd.	17
Raywarp Textiles	24
Ltd bros. (Engineering),	vi
Reed. A. Elder & Co., Ltd.	ix
Richardson, G., (Medical-	
Bottles), Ltd	xii
toin) Itd	viv
Rooney, Robert A., & Sons.	AIV
Ltd.	32
Rose, J. L., Ltd	ii
Sale, Tilney (Marketing), Ltdxx Salter, George, & Co., Ltd. Schutze, F., & Co., Ltd	
Salter George & Co. Ltd	XIV Vi
Schutze, F., & Co., Ltd	vi
Sigal, S., & Co., Ltdxx	xiv
Sigal, S., & Co., Ltdxx Smith, T. J., & Nephew, Ltd	vi
" Solazzi "	vi
	XIX
Sponcel, Ltd	xvi
Stanese, Ltdx	X111
Stanning Proprietaries, Ltd Steele, F. H., & Co., Ltd Stemco, Ltdxx	xiv
Stemco, Ltdxx	cvii
Steradent, Ltd	ΧV
Stewart, Goodall & Dunlop,	20

Sumner, R., & Co., Ltd Surgical Hosiery Co., Ltd	15 xiv
Tampax, Ltd. Teasdale Chlorodyne Co. Toni Gillette, Ltd. Trade Mark Protection Society Society Tyrer, T., & Co., Ltd.	xvii
United Glass Bottle Manufacturers, Ltd.	
Vichy Celestine Vigon, J. J., & Cox Virginia's Hollywood Prep. (1936), Ltd	26 xxvi 34
Walker, W. & F., Ltd Wallace (Pharmaceutical Products), Ltd Walton, T. H., & Co., Ltd.	xxii
Wander, A., Ltd	19
Westminster Laboratories, Ltd. Whiffen & Sons, Ltd Wilcox, Jozeau & Co., Ltd Wilson & Mansfield, Ltd	26 4 36 ii
Wiseman, J. H., & Co., Ltd	xxvi xx
Woolf, Lewis, Ltd	r iv



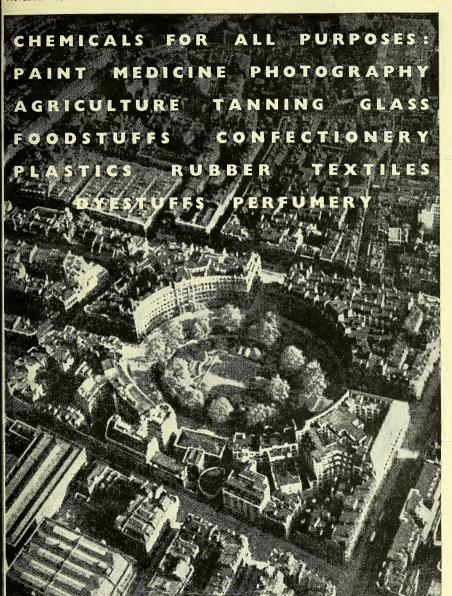
Introducing the NEW PENETROL INFIALER

If you have not yet ordered, send in your order today for the new Penetrol Inhaler, otherwise you will miss your share of the big demand which has followed the launching of our big national advertising in press, cinemas and on buses and posters. The Penetrol Inhaler is artistic in design and effective in use. It quickly clears catarrh and nasal congestion.

Retail price 1/8 inc. tax.

Stock and Display PENETROL

Trade terms and show material from W. B. Cartwright Ltd., Rawdon, Leeds



R. W. GREEFF & CO. LTD. HEAD OFFICE:

12, FINSBURY CIRCUS, LONDON, E.C.2.
LONDON WALL 5241: WIRES: GREEFF, AVE, LONDON
and THE ROYAL EXCHANGE, MANCHESTER 2.
BLACKFRIARS 9407-8: WIRES: GREEFF, MANCHESTER.

The

Family

Cough

Specific with a

Country wide





including Purchase Tax

Sale!

Manufactured by:

Teasdale The

Chlorodyne Co., Huddersfield



ESTABLISHED 1904

Specialists in the manufacture Tablets and Pills

years of Specialised Manufacturing Experience assure you of

and ACCURACY

PACKED TABLETS, with Chemist's Own Name Labels if desired, supplied in 2 sizes 25's and 100's (with a few exceptions packed in 50's only).

BULK TABLETS, including NF and NWF lines, supplied in convenient quantities from 100 upwards.

SACCHARIN TABLETS in pkts. of 100 or in Bulk

Cooper Laboratory

Watford

Announcing -

A NEW SMALLER SIZE Alasil Tablet



ALSO A NEW SMALL CARTON PACK FOR HANDBAG OR POCKET

Now you can supply small or large Alasil Tablets to meet all demands

NEW PACK

Handy pocket-size
Carton: containing 6
small size Alasil
Tablets hygienically sealed in
cellophane

In response to many requests from those who prefer a small tablet, we have now introduced a smaller-size 'Alasil' Tablet, whilst retaining the large-size Tablet which has proved such a widespread success for its quick and effective relief of pain.

The provision of 'Alasil' Tablets in two sizes now enables the pharmacist to meet all preferences, and gives him still wider scope for 'Alasil' sales.

In 'Alasil' the combination of acetylsalicylic acid with 'Alocol' (Colloidal Aluminium Hydroxide), an effective gastric sedative and antacid, helps to obviate any tendency to gastric irritation. The advantages of 'Alasil' are therefore obvious.

For these reasons the pharmacist has the satisfaction of knowing that in recommending and selling 'Alasil' he is conveying distinct benefits to his customers.

ON THE PATA

RETAIL PRICES: (Including Purchase Tax)

Small size tablets: Glass Tubes 1/7 New pocket-size carton 4d. Large size tablets: Bottles 3/1½ Glass Tubes 1/7

TRADE PRICES: (Plus Purchase Tax)

Small size tablets: Glass Tubes 11/3 New pocket-size carton 2/3

Large size tablets: Bottles 22/6 Glass Tubes 11/3

A. WANDER LTD., 42 Upper Grosvenor St., Grosvenor Square, LONDON, W.1





CARR'S VITAMIN B. PREPARED WHEAT GERM

A RICH SOURCE OF VITAMIN B,

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS 3 /= per large (14 oz.) packet

TRADE:

27/- doz. Case of 2 doz. 54/-Net Delivered

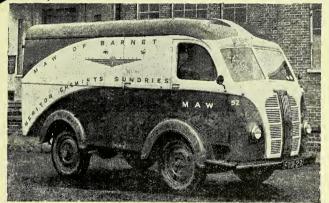
Case 3/- returnable

FROM PRINCIPAL WHOLESALERS OR FROM THE MANUFACTURERS

CARR'S FLOUR MILLS Ltd., CARLISLE

November 13, 1948





MAW'S MOTOR DELIVERY SERVICE

- REGULAR DELIVERIES IN THE GREATER LONDON AREA
- MANY COUNTRY SERVICES (Full particulars on request)

OFFERS YOU PROMPT DESPATCH OF

MERITOR TOOTHBRUSHES MERITOR D.D.T. ANTIMOTH MERITOR CHEMISTS' SUNDRIES MAW'S SURGICAL DRESSINGS RAY THERAPY EQUIPMENT PROPRIETARIES-AGENCY LINES

S. MAW. SON & SONS LTD ALDERSGATE HOUSE : BARNET HERTS

FOR INFECTIOUS SORE THROAT

FORMALGAR

TRADE MARK

Formal Jehyde Pyrethrum Chloroxylenol Phenol Glycerin Spirit 2 oz. 4 oz. 8 oz. 20 oz. 90 oz.

Literature from

C. J. HEWLETT & SON, LTD.

35-43 CHARLOTTE ROAD, LONDON, E.C.2 also at 48 Carstairs Street, Glasgow, S.E.

PATTINSON'S MAGNESIA

GUARANTEED B.P. QUALITY

Mag. Carb. Levis. Mag. Carb. Pond.
Mag. Oxide Levis. Mag. Oxide Pond.
Mag. Trisilicate.
Mag. Hydrate. Mist. Mag. Hydrox.

Supplied through al wholesalers by the sole manufacturers:

The WASHINGTON CHEMICAL

CO. LTD.

A MEMBER OF THE TURNER & NEWALL ORGANISATION.

WASHINGTON CO. DURHAM

London Office:
Evertte House, 59½, Southwark St., S.E.I
Manchester Office:
15. Pollard St. East. Manchester. 10

"Insist

on the best"

PURE TURKISH LICORICE JUICE

"LICOREX"

Brand

FLAKES-

BLOCKS---

STICKS

Absolute Purity
Highest Glycyrrhizine Content

ORDER FROM YOUR USUAL WHOLESALER



PROPRIETARIES SUNDRIES DRUGS TABLETS & PILLS

FOR CHEMISTS

Manufacturing Chemists

llead Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton and tyrne Telephone 2816 (2 lines)

AT LAST

enough Dalmas for all your customers!

DALMAS, the world's first waterproof plastic dressing. is at last in plentiful supply! In spite of the heavy demand from doctors, hospitals and clinics, you will now be able to supply all your customers with the new dressing which is the first and best of its kind in the world.

Dalmas is waterproof, washable, greaseproof and acid-proof. It never frays or curls up at the edges, so cannot catch in clothes. Place your next order now - for immediate delivery!

OTHER DALMAS PRODUCTS

- mouth ulcers. Comforting, heal-
- DALMEX an isotonic lotion that puts the sparkle into tired and inflamed eyes. Bottles 2/6.
- ARTHENE volatile iodine rub that gets right under skin. For sciatica, neuritis, sprains. Large dispenser tubes 2/6.

- GUMTEX for sore gums and BURNOJEL takes out the "fire" from scalds and fireing. Handy dispenser bottles burns, heals wounds, cuts, abrasions. Non-staining. Jars 2/6.
 - DALMAS P.P.C. HOS-PITAL CREAM for cuts. abrasions, burns, ulcers. Germdestroying, quick-healing, medicative. Contains Brilliant Green, Crystal Violet, 5-Aminoacridine on vanishing-cream base. Non-staining, easily washes off. Large dispenser tubes 2/6

All prices (retail) include purchase tax

A. de St. Dalmas & Co. Ltd., Leicester. (Tel. 65261) London Depot, 140-142 St. John St., E.C.1 Leeds Depot, 14 Neville St.

Scottish Agents: Robert Telford, 29 Waterloo St., Glasgow, C.2



THOUSANDS SEE

THESE "NEW ANGLE" HEADLINES!

D.D.D. PRESCRIPTION

the famous non-greasy, non-staining liquid skin healer, is backed by heavy and sustained national advertising National and Provincial Papers, Magazines, Posters and Car Cards are stimulating an ever-increasing public demand for this fine, steady seller. Retail prices: 1/7d. and 3/9d. per bottle.

D.D.D. TOILET SOAP

is getting its share of publicity too—the public are urged to use D.D.D. Prescription to clear up skin troubles quickly and to use D.D.D. pure, superfatted Toilet Soap to keep the most delicate skin always clean and healthy. D.D.D. Toilet Soap sells readily at $1/4\frac{1}{2}$ d. per tablet.

D.D.D. CO. LTD

3 FLEET LANE, LONDON, E.C.4

Distributor for Northern Ireland — Messrs. J. & W. C. Gaw, 30 Bankmore Street, Belfast Distributor for Eire—Messrs. Henry Finn & Co. Ltd., Central Hotel Stockrooms, Exchequer Street, Dublin





ON SIGHT

When your customers see this package of Feen-a-mint — the famous *original* chewing gum laxative—it sells on sight! It is smartly cellulose-film wrapped and as display-worthy as ever! Order to-day, from your usual wholesaler.

Feen-a-mint

WHITE LABORATORIES LTD., MITCHAM, SURREY



and the possibility of cold and 'flu epidemics. Supplies of Peps might be more difficult as the season advances. Be wise and order good stocks **NOW**.

ZAM-BUK OINTMENT **ZAMCONES Suppositories KUTNOW'S SALINE**

VEN-YUSA FACE CREAM

C. E. FULFORD LTD., CARLTON HILL, LEEDS, 2

DRUGS, GALENICALS, PROPRIETARIES Makers of 'Vitasac'

R. SUMNER & CO. LTD. LIVERPOOL, I HANOVER STREET

SV 124

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and for-bearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased.

ole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 1.U., D400) syland Mills, Wigan. London Dept. 19 Brookside Rd. N (1.U. PRR FL. OZ.)



Malt Extract with added Natural Vitamins

Two Useful Products

SYVITONE Vitamin Tonic Syrup

Provides in palatable and assimilable form, the vitamins of Cod Liver Oil.

NIGROIDS For Throat & Voice

Prepared in the laboratories of

FERRIS LTD BRISTO CO

STANDARD SACCHARIN TABLETS

. . . a limited quantity available in regular amounts

THE DALES ASPIRIN & TABLETING CO. STEETON, Near Keighley, Yorks.



WHEN YOU STOCK THE RIGHT GOODS AT THE RIGHT PRICE

Silcot is one of those lines which sell easily. The reason is plain. They are good towels. Women like them. And they ask regularly for them.

Therefore when you sell Silcot you are not simply making a casual sale. You are

making the first of many. You are building up rogular repeat business.

Many other retailers have done this. Many others are doing it. That is the value of Silcot; it brings your customers back — again and again.



		/-	_	
		PRICES		
	SILCOT	Trade per doz. pkts.	Retail per pkt.	
	Junior	15/9	1/9	
	S. andard	18/-	2/-	▋
ľ	Large	22/6 27/9	2/6 3/1	≣
	Extra Large	27/9	3/1	≣
	Matern ty	30/-	3/4	≣
1	VENSILLA			≣
ı	(So uble)	15/8	1/9	▋
Į	SILCOT Sanita	ry		≣
1	Belt (.nc. P. 7	Г.) 16/9	I/II each	≣
-	(11111111111111111111111111111111111111	111111111111111111111111111111111111111		Ē

★ Please note new address :-

EXTRACTS

FOR ALL PURPOSES

CONCENTRATED NON-ALCOHOLIC SOFT EXTRACTS FOR MAKING INFUSIONS • DECOCTIONS • TINCTURES • LIQUID EXTRACTS • ETC.

MEDICINAL RESINS · OLEO · RESINS · RESINDIDS · TINCTURES

RANSOM'S

SPECIALLY PREPARED

SOLUBLE EXTRACTS

PRESENT THE FOLLOWING ADVANTAGES

These extracts are readily soluble and the resulting solutions need no filtration

They contain no spirit

Occupying less volume than the corresponding liquid product they economise in freight space

They were first put on the market by ourselves

DRUGS GROWN ON OUR OWN FARM INCLUDE

BELLADONNA HENBANE

FOXGLOVE

LAVENDER

CHAMOMILE

PEPPERMINT

HEMLOCK LETTUCE

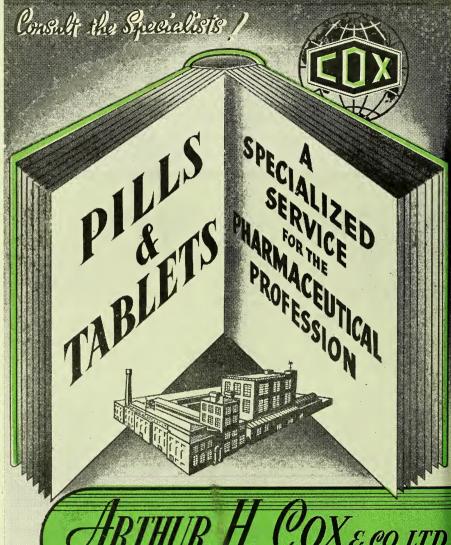
ESTABLISHED



1846

WILLIAM RANSOM & SON LTD.

Growers of medicinal plants for over a century



ARTHUR H. COXECO.LTD.

MANUFACTURING CHEMISTS SINCE 1839

BRIGHTON SUSSEX — ENGLAND

~ **∢WB>**

ADAPRIN

TABLETS

for the prevention and treatment of

CHILBLAINS

A new and recently introduced 《WB》 product formulated to meet a widespread need, ADAPRIN tablets contain the Vitamin K analogue (Acetomenaphthone) and Vitamin PP (Nicotinamide) in proportions suitable for the effective treatment and prevention of Chilblains.

Each ADAPRIN tablet contains ACETOMENAPHTHONE B.P. 10mgm. and NICOTINAMIDE B.P. 50mgm. Three to four tablets daily provide relief in most cases within a short period.

Available in Containers of 100 tablets only, 9/- each retail.
(Subject to usual discounts)

Detailed information available on request.



WARD, BLENKINSOP & CO. LTD.

6 HENRIETTA PLACE, LONDON, W.1

TELEPHONE: LANGHAM 3185

TELEGRAMS: DUOCHEM, WESDO, LONDON



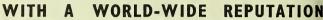
STAFFORD ALLEN & SONS LTD. Wharf Road, London. N.1. Phone (LErkenwell 1000 (7 lines)



plus the lovely standard Shades in the Tryst Range

of REGENT STREET

The Greatest of All Tonics-



The familiar Phosferine pack has won for itself an enviable world-wide goodwill. It has only to be shown to be sold. And the sales of Phosferine prove how adequately "The Greatest of all Tonics" lives up to its claims. Make the most of the wonderful popularity of Phosferine by ensuring that your stocks are adequate to meet the demand.

PHOSFERINE

TABLETS and LIQUID

The Registered Trade Mark "Phosferine" is the property of PHOSFERINE (ASHTON & PARSONS) LIMITED.

Retail Prices: 1/6 and 3/8 including Purchase Tax

Sole Distributing Agents in the United Kingdom:
BEECHAMS PILLS LIMITED, ST. HELENS, LANCS.

MEMORAN



BREWERY ST., HARPURHEY - MANCHESTER, 9

Contact Proprietanies

Stanning Proprietanies

Stanning Stocks of

The New Stocks of

STANNING PROPRIETARIES

LIMITED

32 ST. JAMES STREET, LONDON SWILL

SURGICAL DRESSINGS

TABLETS & PILLS - CHEMIST SUMBRIES

Sole Proprietors of Stanlass' Packed Proprietors



In many parts of the world clinicians are confirming the success of 'FOLVITE' (Folic Acid, Lederle*), as a potent haematinic in macrocytic anaemias. Small oral doses of 'FOLVITE' produce a marked improvement in the blood picture and clinical condition within a few days in pernicious anaemia, sprue, nutritional and gestational macrocytic anaemias.

Doctors are now prescribing 'FOLVITE' and pharmacists are invited to order for stock.

Tubes of 25 and bottles of 100 and 1000 5 mg. tablets. Boxes of 12 and 100 1 cc. ampoules of 15 mg./cc.



10 cc. vials of 15 mg./cc. Elixir in 4 oz. bottles: each teaspoonful (4 cc.) contains 5 mg. of folic acid.

BRAND OF

FOLIC ACID

For the control of macrocytic anaemias

* Registered Trade Mark

Lederle Laboratories

CYANAMID PRODUCTS LTD

BRETTENHAM HOUSE, LANCASTER PLACE, LONDON, W.C. 2.



"Silktona"

HOME

PERMANENT WAVE

(Guaranteed)

Price to the Public 3/9 including Tax

Order now from your usual Wholesalers

Sole Distributors:

ALFRED FRANKS & BARTLETT CO. LTD. Audrey House Ely Place London, E.C. I

KOKOH

The HAIR TONIC and DRESSING with 50 years' reputation

Unsurpassed for-

Stocks available at Wholesalers.
KOKO MARICOPAS CO. LTD., 3, FLEET LANE, E.C.4



Tablets and Pills Packed or Bulk

ASPIRIN

CASCARA Latest Automatic

Private formulæ Pilis and Tablets carefully and accurately prepared at lowest possible prices

Pill Plant

and all

WE WELCOME ENQUIRIES

FABLETS and PILLS

CASTLE HUSKISSON LTD.

MANUFACTURING CHEMISTS SWINTON WORKS, MOON STREET, ISLINGTON LONDON, N.I

Telephone: Canonbury 3466

ESTABLISHED 1768



'Milk of Magnesia'

THE CHAS, H. PHILLIPS CHEMICAL CO. LTD., 179, ACTON VALE, LONDON, W.3.

THE Modern

ANTACID ...



Magtriz Tablets are an effective combination of Magnesium Trisilicate and Magnesium Hydroxide, and provide prompt relief and prolonged control in all cases of Hyperchlorhydria as recommended by the Medical Profession.

MAGTRIZ

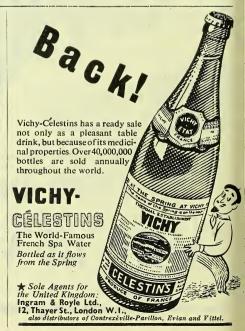
DIGESTIVE TABLETS

2 sizes, 7½d. and 1/6d. Trade 4/- and 10/- per doz. plus P.T. Both sizes packed in attractive outers. Small size 2 dozen. Large size I dozen.



WESTHENSTER LABORATORIES LTD., Chalcot Road, London, N.W.I Tel.: PRimrose 3395/6/7

HOWARD LLOYD & CO. LTD.



Sold at first sight on novelty A steady seller on effectiveness



heavily advertised

Novelty and convenience first attract the customer to SNO-MIST; then the effectiveness of SNO-MIST, the freshness and soothing qualities, the fact that it can be used immediately after under-arm shaving, win steady loyalty. Backed with the biggest advertising expenditure in its field and delightful display material, this line has gone right to the front from the word go. See that you have ample stocks.

SNO-MIST

A product of

RETAILING

2/3 EACH

E. GRIFFITHS HUGHES L'D

ADELPHI - SALFORD - MANCHESTER



A privilege to undertake private formulæ for the Pharmaceutical Profession

MANUFACTURERS TO THE TRADE

May we quote for your requirements

MANUFACTURING CHEMISTS Laboratories and Works, BATLEY, Yorks.

O alla

Put this Silent Salesman in your Shop!

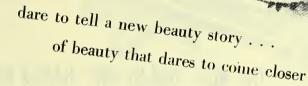
This fine new counter display is no mere ornament! It's been designed by experts to do a high-powered selling job-and do it well! Put one on show now, and watch the extra profits rolling in! Displays to hold 6 dozen (I dozen each of 6 different shades) are supplied FREE with every order for this quantity. Trade Price: 1/5 per

doz. plus 100% P.T. Selling Price: 3½d. per packet (including P.T.)

CAMILATONE

CAMILATONE LIMITED, WELSH HARP, LONDON, N.W.9.







Now that we are in a buyer's market again, a pretty picture is not enough to make a woman buy a skin-food or cosmetic. She needs to be told how a product can make her more lovely. SKIN DEEP answers her need with a daring new beauty story—"CLOSE-UP" loveliness. By using SKIN DEEP as her foundation cream, outward loveliness is ensured while inwardly its nourishing ingredients penetrate deep into the skin, keeping it young and supple. Thus her complexion becomes clear, fresh and beautiful under the make-up. Instead of anxiety that 'closeness' will reveal blemishes, she can be superbly confident of being even lovelier closer. And so good is SKIN DEEP it ought always to be smoothed in before sleep at night. The new national advertisements for SKIN DEEP are sure

Skin Deep

the cream for 'Close-up' beauty

to win the allegiance of many thousands of women and you, for your part, should give SKIN DEEP a noticeable display.





This new hygienic easy-to-use pack containing 20 Tablets has been specially designed, so that no longer will there be the risk of tablets falling out in pocket or handbag. Slide it open with one finger, shake, and out come 'ANADIN' — one-by-one; two 'ANADIN' tablets for the relief of pain.

THE PROFESSIONALLY RECOMMENDED ANALGESIC. 'Anadin' will be moving off your shelves more quickly than ever. We are detailing the Dental and Nursing Professions intensively and the response is inspiring. Now in the Daily Press, Sunday Press and widely read Magazines—particularly those appealing to women—we are supporting this professional appeal with effective public advertising.

POINT OF SALES DISPLAY. We know that in the winter months before us, colds and 'flu will be on the increase and the call for 'Anadin' will be even greater. To help you, we are now packing all 'Anadin' 20's in attractive Counter Display Units. 'Anadin' is safe to stock, sell and recommend. See that you have ample requirements to meet this increasing demand. Attractive showcards are also available on request.

'ANADIN' tablets can be included with other I.C.C. lines to qualify for extra Co-operation Discounts of 12½% on orders of £10 and over; 10% on orders of £5 and over.



INTERNATIONAL CHEMICAL COMPANY LTD., CHEMIES STREET, LONDON, W.C.1



MACHINERY TABLET MAKING









MANESTY CP2 COATING PAN





ROTARY **TABLET** MACHINE

OUTPUT 1000-1500 PER MIN.

R TABLETS UP TO 2"DIAM.



PER MIN. R TABLETS UP TO 12 DIAM



MANESTY ROTORGRAN OSCILLATING GRANULATOR

OUTPUT 150-224 LBS PER HOUR

MANESTY MIXER

CAPACITY IOO LBS. OF POWDER





NEW MODELS!

ANOTHER OF THE

MANESTY



COATING PAN WITH MOTOR DRIVE

(Can be supplied with self-contained hot air blower if required)





PER MIN.



FOR TABLETS UP TO "DIAM.



30-400 PER MIN.

FOR TABLETS UP TO 24 DIAM.



MACHINES MANEST

SPEKE. LIVERPOOL. LEPHONE: HUNTS CROSS 1321.

TELEGRAMS: MANESTY, LIVERPOOL

THE FINEST SCURF REMOVING & SCALP
CLEANSING SHAMPOO

NUCTA OIL

THE SOAPLESS OIL SHAMPOO

Can be recommended with confidence. Nationally advertised IN 8 oz. BOTTLES SELLING AT 3/10. 25/- per doz., plus tax

CARRIAGE PAID ON NET ORDER OF £2

Obtainable from your Wholesaler or direct from the Manufacturers

STEWART, GOODALL & DUNLOP LTD
121A PRINCES STREET, EDINBURGH







POTTER'S ASTHMA REMEDY



Revised "Budget" Prices
Price 2/5 per Tin (inc. tax)
Wholesale 18/- per Doz., plus 6/- per Doz. Tax
Packed in half dozens

Well] advertised and world famous A sound selling line for every Chemist

POTTER & CLARKE LTD

60-64 Artillery Lane, LONDON, E.1.

Telephone: BIShopsgate 4761

77 Dantzic Street, MANCHESTER 4.

Telephone BLAckfriars 8734

NOW IN FULL SUPPLY

THERE is no further need for us to ration chemists' supplies of Radian β —the liniment with a difference—because restrictions on essential materials have eased. You can now order your supplies of Radian β and be sure of prompt delivery. If you have not done so already, send for the attractive "sell-on-sight" display material and particulars of our extremely generous trade terms.

* Brings pain-easing ASPIRIN direct to bruise or sprain—swiftly relieves rheumatic aches and joint pains—is non-oily and non-staining—makes an effective inhalant and alleviates insect bites immediately and effectively.

Professional sample and literature on request.



RADIAN B

THE RADIOL COMPANY

78, UPPER RICHMOND RD, LONDON. S.W.15.

Distributor for Midland area: JOHN KNOX (Stoke-on-Trent) LTD. Other areas from Local Wholesalers or direct from London.



FASTER-SELLING
THAN EVER

—in a new eye-catching

carton



Send loi details and prices of Virginia's full range of Beauty Preparations: Wonder Mask, Vanishing Cream (Peach), Cleansing Cream, Skin Tonic, Complexion Milk, Cream Rouge, Lijstick, Face Powder, Eye Shadow, etc.

Brighten your counter, and your balance sheet, with one or Virginia's most successful and popular preparations. Virginia's Hollywood Eyelash Grower actually encourages healthy and luxuriant growth, producing longer, darker, more lustrous lashes. The attractive counter carton carries two dozen dainty handbag-size containers at the rapid-selling price of 2/6 each (inc. Pur. Tax).

BEAUTY PREPARATIONS
VIRGINIA'S HOLLYWOOD PREPARATIONS (1936) LTD., IPSWIGH RD., SLOUGH, BUCKS



Rocketing to NEW RECORD SALES...

Retail sales of the 'Methedrine' Inhaler reached a record peak last winter. In view of the mild weather, this was a great tribute to its new and improved design. Even bigger sales can be expected throughout the coming season—so now is the time to build up your stocks in readiness to meet the demand.
Attractively cartoned, the 'Methedrine' Inhaler will be sent

you in display-outers holding 24. Striking showcards are available. A special bonus gives one extra inhaler with each display-outer ordered. Retail price of the 'Methedrine' Inhaler: 2/- plus 6d. tax.

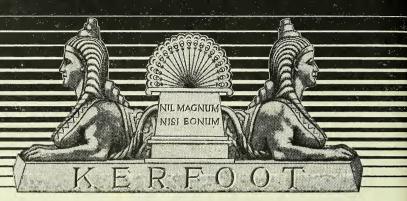
The 'Methedrine' Inhaler

for prompt relief of head colds and catarrh



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

For BACTERIOLOGICAL SUGARS



ARABINOSE · CELLOBIOSE · DEXTRINE (Prep. by precipitation) · DEXTROSE (Cryst, Anhydrous) DULCITOL . GALACTOSE . INOSITOL . INULIN . LACTOSE . LÆVULOSE . MALTOSE MANNITOL . RAFFINOSE . RHAMNOSE . SACCHAROSE . SORBITOL . SORBOSE . XYLOSE

KERFOOT & CO. LTD. VALE of BARDSLEY, LANCASHIRE



A discount of 13/3 will be allowed on all orders for 7 dozen Valda Pastilles for Window Display

THIS OFFER EXPIRES ON NOVEMBER 30

Send in your order for 6 dcz. Valda Pastilles and you will receive 7 dcz. and a credit note for the cost of I dcz. This is the Valda Season-get your supplies NOW. Attractive show material supplied free with order

Your customers are looking for Valda

Retail 1/10 ber tin

ESTD. OVER 100 YEARS

Wholesale per doz. plus 331% P.T.

74-77: WHITE LION ST. LONDON N.L.

19. TEMPLE BAR, DUBLIN

CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER
NOVEMBER 13, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London." ingle copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

No. 3586	CONTENTS Volume C	ıL
A Pharmacist's Anthology	635 Meaning of "Syrup of Figs" 6	24
Births	627 Mr. Linstead Reviews N.H.S 6-	42
Business Changes	626 News of the Week 62	21
Coming Events	652 Overseas News 65	23
Company News	626 P. A. T. A 6.	31
Complimentary Dinner (Picture)) 623 Personalities 62	29
Correspondence	647 Pharmaceutical Preparations of the	
Deaths	627 B.P., 1948 6	44
Editorial Articles:—	Plastics "Hall Marks" 6	
Worst Pricing Problem Ever	637 Pricing Issues before the November	
An Alleged Racket	638 Conference 6	
Chile as a Market	638 The Week in Parliament 63	28
Glasgow Semi-Jubilee Dinner	641 The Work of a Pricing Office 6	
Information Wanted	636 Topical Reflections 6	
Legal Reports	629 Trade Marks 6	
Local News	622 Trade Notes 6	
Manchester Speech Day	646 Trade Report 6	48

NEWS OF THE WEEK

K.I.D. Renewals.—Renewal of the exsing Safeguarding of Industries (Exemption) Orders is now under consideration. Any communication should be addressed to the Industries and Manufacturers General) Division, Board of Trade, Millbank, London, S.W.I, before December 4.

Pharmaceutical Labour Turnover.—The Ministry of Labour Gazette (Vol. LVI, No. 10) gives the labour turnover rates (per 100 employees) in the principal manufacturing industries during the four-week period ended July 24, analysed according to industry and sex. In the pharmaceutical ndustry the numbers of engagements per 100 employed at the beginning of the period were: Males, 1.7; females, 3.6; (together 2.7). The numbers of discharges and other losses per 100 employed at the beginning of the period were: Males, 2.0; emales, 3.6 (together, 2.9).

British Drugs in Brussels.—An exhibition of British pharmaceutical products held in Brussels, November 5-7, was opened by M. Verbist (Minister of Public Health).

The exhibitors included The British Drug Houses, Ltd., Boots Pure Drug Co., Ltd., Imperial Chemical (Pharmaceuticals), Ltd., Ilford, Ltd., Knoll, Ltd., Oppenheimer, Son & Co., Ltd., Portland Plastics, Ltd., Reckitt & Colman, Ltd., Savory & Moore, Ltd. and T. J. Smith & Nephew, Ltd. The exhibition programme included lectures given in English and French by British doctors and pharmacists.

Tax Burden of Small Manufacturers.—The London "Evening Standard" devoted its leader column on November 4 to a statement of tax hardships of the small manufacturer, especially in the cosmetic trade. Under the title "Forced out of business—Tax kills small firms" it argued strongly the unfairness of the system under which small firms are compelled to borrow at interest in order to meet purchase tax claims on goods still unpaid-for by retailers. Since July, stated the article, thirteen small manufacturers of toilet articles have been forced out of business. "It is not merely the terms of the tax that are at fault, it is

the whole principle of the tax itself. The inequity of purchase tax, in its entirety, must go," it concluded.

Contraband Opium in London.—A consignment of contraband opium which had been confiscated by the authorities in Singapore was landed in London recently. The total amount of opium involved was 2,143 lb., with an average morphine content of 8.8 per cent. Ingenious methods had been adopted to disguise the material, in-cluding packing it in torch batteries and in cigarette cartons (both bearing wellknown proprietary names) and in baby food and soup tins. Another contraband parcel recently disposed of in the United Kingdom came from Palestine. In this instance some of the opium was in metal tubes, which camels had been induced to swallow-as many as thirty per camel. Mine detectors were employed to discover the contraband material.

Controls to be Removed. — Relaxation of controls announced by Mr. Harold Wilson (President of the Board of Trade) in the House of Commons on November 4 included the following: -(a) Control of consumption revoked: Caustic potash and carbonate of potash. (b) Control of use revoked: Cork. (c) Control of acquisition, disposal and use revoked: Amyl alcohol; derris; glue, gelatin and size; paraformal-(d) Control of acquisition, disdehvde. posal, use and price revoked: Amyl acettate, butyl acetate and ethyl acetate; acetone; methylated spirit. (e) Change from public to private purchase: Manilla copal. (f) abandonment of permit scheme for distribution: Vacuum flasks. foregoing decontrols are to become effective before the end of December. The administrative control of potassium permanganate was relaxed on November 1.

LOCAL NEWS

Weston-super-Mare Officers.—At the annual meeting of the Weston-super-Mare Pharmaceutical Association on October 22, the following officers were elected or relected:—Chairman, Mr. H. T. Hawley; Vice-chairman, Mr. J. Chalmers; Secretary, Mr. E. H. Rake, Worle Pharmacy, Weston-super-Mare; Treasurer, Mr. H. S. Bailey.

Doctors at Branch Lecture.—When Mr. Charles Beaven, Ph.C., A.R.I.C. (Parke, Davis & Co.), gave his illustrated lecture "The Riddle of Allergy" at a meeting of the Great Yarmouth Pharmaceutical Association and the local branch of the National Pharmaceutical Union on Ocober 26, his

audience included a number of local doctors. Some pharmacists from Lowestoft were also present,

Edinburgh Golf Club Officers.—At the annual meeting and dinner of the Edinburgh Chemists' Golf Club recently, the following officers were elected for 1949:—Captain, Mr. David Walker; Vice-captain, Mr. Roy S. Mathison; Secretary, Mr. R. F. Muir, 4 Southfield Terrace, Portobello; Assistant Secretary, Mr. J. A. Stenhouse; Treasurer. Mr. T. W. Strachan, 20 Howard Place, Edinburgh, 4.

Glamorgan N.H.S. Estimates.—An estimate of administrative expenditure for the period April 1, 1949, to March 31, 1950, adopted recently by the Glamorgan Executive Council included the following items: Testing of drugs, £500; general medical services, £730,000; pharmaceutical services, £431,750; Welsh Joint Pricing Committee, £4,500; general dental services, £324,000; supplementary ophthalmic services, £370,800.

East London Post-graduate Courses .-The East Metropolitan Branch of the Pharmaceutical Society has arranged for its members two courses on sterilisation and aseptic transference. A lecture course is being held at West Ham Municipal College, London, E.15, on four Wednesday evenings in December and January, commencing on December 1. A practical course is being held at Chelsea Polytechnic, London, S.W.3, on four Thursday evenings in December and January, commencing on December 2. Dr. K. R. Capper, Ph.C., is in charge of both courses. Applications for enrolment (only limited numbers can be accommodated) should be sent to Mr. S. Robinson, 21 Broadhurst Avenue, Ilford. The fees are 13s. for the lecture course, 15s. 6d. for the practical, or £1 8s. for both. It is planned to hold further courses in 1949.

Payment Delays Discussed.—At a meeting of the Cornish Branch of the National Pharmaceutical Union held in Truro on October 31, Alderman A. T. Opie in the chair, Mr. H. Holmes (a member of the N.P.U. Executive) described, in a talk lasting ninety minutes, the development of National Health Service negotiations. In the discussion that followed the view was expressed that, as a long term policy, nothing short of pricing in full would be acceptable but that some other method would have to be accepted as a short term policy to overcome delays in payment. It was stated that the average value of a pre-

scription in Cornwall was 3s. 3d.—3s. 6d., so that a payment on account of 1s. 8d. or 1s. 1od. was grossly inadequate. The delays in payments, it was stated, were causing financial embarrassment to chemists.

Dinner to Society's President .- A complimentary dinner to Mr. H: Clement Shaw (president, Pharmaceutical Society) was given at Newcastle-under-Lyme on October 28 by the North Staffordshire Branch of the Society. The branch president (Mr. R. A. Hackney), proposed a toast to Mr. Shaw, who, he said, had been a member of the Council for over ten years, serving as treasurer for four years and vice-president for one. Mr. W. Stanier, supporting, said the Council had been fortunate in securing a man of such sound judgment, rare ability, determination. Mr. Shaw's knowledge of current pharmaceutical affairs was beyond reproach, and those who had attended the Branch Representatives' meeting could express only admiration for the way in which Mr. Shaw had conducted it. Mrs. Shaw's dignity and charm must have inspired confidence in her husband while he was undertaking the social duties he had been called upon to perform at the British Pharmaceutical Conference. Mr. Shaw, in reply, said he found Council work most interesting as he had served on almost every committee. A bouquet of roses was presented to Mrs. Shaw by Mrs. Hackney on behalf of the women members of the branch. A photograph of members present at the dinner is reproduced below.

OVERSEAS NEWS

Indian Drug Rule Changes.—The Ministry of Health of the Government of India has recently issued notification that the date on which rules relating to the labelling of "patent and proprietary medicines" under the Drug Rules, 1945, are to come into force has been postponed to April 1, 1949.

Turkish Chemicals for Pakistan.—Following negotiations between the Pakistan Government and the Union of Turkish Pharmaceutical Manufacturers, an agreement has been signed whereby fourteen Turkish chemical firms will export to Pakistan pharmaceutical products to a total value of £65,000.

Proposed Bolivian Cocaine Factory.— It is understood that proposals have been made to the Bolivian Government by "private interests" to establish a cocaine factory in La Paz with equipment brought from a similar factory in Buenos Aires. In return for providing a site and facilitating the supply of raw materials, the Bolivian Government would receive half the profits.

W.H.O. Radio Network. — The World Health Organisation has announced that the Colombo radio station and the Ceylon naval radio station have joined the international network that broadcasts epidemiological intelligence in the Far East. The information service is based on reports from 334 sea and air ports and is broadcast for the benefit of national and port health authorities, ships at sea and aircraft.



COMPLIMENTARY DINNER to Mr. H. C. SHAW. Front row, left to right: Mrs. H. C. Shaw, Mr. H. C. Shaw (president of the Pharmaceutical Society), Mr. R. A. Hackney, M.P.S. (president, North Staffordshire Branch), Mrs. R. A. Hackney, Mr. C. E. Turner Back row: Mrs. S. J. Mott, Mrs. S. J. Mott (branch treasurer), Mrs. T. G. Lawley, Mr. T. G. Lawley (assistant secretary), Mrs. J. A. Dale, Mr. J. A. Dale, J.P., Mrs. H. E. Denby, Mr. H. E. Denby (secretary).

MEANING OF "SYRUP OF FIGS"

Greenwich magistrate dismisses, with heavy costs against Woolwick council, charges of selling a product to the prejudice of the purchase

Greenwich magistrates' court, on October 28, a 2½-hours' hearing was given by the stipendiary magistrate to charges brought by the Woolwich borough council against Messrs, David Rose and J. Harris, trading as Allen's Drug Stores, Eltham High Street, Eltham, Kent. The offences alleged were of selling to the prejudice of the purchaser (an agent of the council) syrup of figs not of the substance demanded by him. An earlier hearing of the case had been adjourned. The summonses were brought following a visit to Allen's Drug Stores by a food and drugs inspector, who asked for "a bottle of syrup of figs." Mr. Harris told the magistrate that, wherever possible, when a customer asked simply for "syrup of figs," he had supplied California syrup of figs; alternatively he supplied Galloway's. The usual request, however, was for California. and no customer had ever complained. On May I, when a man, who subsequently revealed himself to be an inspector, came into the shop, he (Mr. Harris) served him. Being short at the time of California syrup of figs, he gave the customer a bottle of Galloway's. The customer asked him if he would mind changing it for a bottle of California, which he did. The customer then asked for two more bottles. Mr. Harris objected, because of the scarcity of California, but, as the man insisted, gave him one extra bottle. When the customer revealed that he was an inspector, he was given the third bottle. The sample was subsequently tested by Dr. H. Amphlett Williams, who certified on analysis that the sample was a compound syrup of senna, containing, of course, a certain proportion of syrup of figs. Dr. Williams said he did not consider that the proportion of fig extract present justified the description on the label, "syrup of figs." The important constituent of the medicine was an extract of senna leaf. When asked by the magistrate what a woman would receive if she were to go into a chemist's shop and ask for a bottle of syrup of figs, he said: "She would get a compound of syrup of figs, but it would be properly labelled."

Mr. Glyn Jones, K.C., who acted for the defence, said that that question went to the root of the case, which was whether there had been supplied to the purchaser an article not of the substance or quality demanded. If a particular article was asked

for by the public under a certain name, that was the article which the purchaser, by the use of that name, demanded. "It does not matter," said Mr. Jones, "if the name is a accurate description of the article or not. Syrup of figs had been on the market for three generations or more. So far as coul be traced, the manufacturers of Californi syrup of figs were the people who had puon the market a laxative product flavoure with figs under the name "syrup of figs. They had used the description Californi odistinguish their product from othe people's syrup of figs, and the descriptio California syrup of figs was registered.

Evidence that purchasers of a produce under the name syrup of figs would expect to receive a compound syrup containing senna or other laxative medicine flavoure and sweetened with a fig syrup was given be Mr. H. E. Chapman, M.P.S. (general secretary of the Proprietary Articles Trade Association), by Mr. F. A. Mackay, M.P.S. (manager of the drug department, Army Navy Stores, Ltd., London), by Mr. I. Voelcker, F.R.I.C. (a public analyst), be Mr. Philip Hamill, M.A., M.D., D.Sc. F.R.C.S., and by Mr. F. G. Hobart, Ph.C.

Giving judgment, the magistrate said "In my view it is overwhelmingly established that it is perfectly proper for a puchaser who goes into a chemist's shop an asks for syrup of figs to be given Californi syrup of figs. That is really all I have the decide here . . . The public analyst says is a compound syrup of senna. No doub but I am quite satisfied that the bottle comply with the description 'syrup of figs' when that description is given by a ordinary purchaser over the counter to chemist."

Mr. Glyn Jones asked for a substantia sum by way of costs. "If you look at the certificate," he said, "you will see that the case rests wholly upon the expression opinion by a public analyst, and he placing his own interpretation upon the meaning of the words used by the purchase without apparently having made the slighest inquiry as to the sense in which those words had been used by the ordinary purchaser." The result, he said, had been that allegations of impropriety against the manufacturers had been given publicity if the court. The magistrate dismissed the summonses, and awarded £262 105 costs

TOPICAL REFLECTIONS

Lecture on New Pharmacopæia

The crowded attendance at Dr. C. H. Hampshire's lecture at 17 Bloomsbury Square on October 28 (p. 607) on the new British Pharmacopæia probably surprised the officials of the Pharmaceutical Society, and may have suggested to them the desirability of hiring the Royal Albert Hall for a similar event. But those who know the quality of Dr. Hampshire's work in pharmacopæial revision, national and international, know that in a lecture by him they will be given the essentials of the subject chosen, and without frills. That is a standard to be aimed at by all speakers on this or a related topic. Your readers have probably noted more points of interest in this comprehensive survey than I have space even to name. The disappearance of ammoniated solution of quinine and of Easton's syrup is a sign of the times. Eventually, it may be supposed, both prepara-tions will fall to about the level of "all The lecturer's remark that the Therapeutic Substances Regulations have been the guiding principle for the treatment of antitoxins and analogous substances is reassuring: in the 1932 B.P., occasional discrepancies between the two authorities were noted. There will be general agreement with the forecast that it will be difficult to make pharmacopæias self-contained; one may guess, in fact, that it will become impossible. The glimpse of work in progress on the unification of pharmacopæias does not afford much fresh information; but it is satisfactory to know that the committee in charge of the work meets regu-The Society's librarian Lothian) is to be congratulated on the exhibition of books she arranged.

Two Kinds of Delay

When writing, a week ago, on delay in settling panel chemists' accounts, I was not aware that the Executive of the National Pharmaceutical Union had formulated resolutions for presentation to the Ministry of Health (p. 600). That these resolutions explore the subject thoroughly is my excuse, if an excuse is needed, for returning to it so early. All of us who are interested in this matter wish to be fair to the Ministry of Health. It is therefore desirable to distinguish between issues that could have been foreseen and those that could not. One difficulty that, in my view, the Ministry could scarcely have expected to meet

is that of reconciling employment in rota duties with Shops Act requirements. (In the first instance this clash, or potential clash, is presumably the concern of the Ministry of Labour.) On the other hand, the fact that the Ministry of Health is still, according to the report, engaged in drafting specifications for certain appliances to be supplied under the National Health Service is in need of considerable explanation. The N.P.U. Executive report and the correspondence section afford so much evidence of pricing delay, in some cases verging on chaos, that I refrain from adding anything on that topic. From a report on p. 602 it appears that panel chemists in Northern Ireland are experiencing similar delay in the payment of their accounts. As has been pointed out, such delays can be much mitigated by a less niggardly system of payment on account.

Proprietaries and N.H.S.

The controversy started in one of your contemporaries by Mr. E. W. Godding of the Chemists Federation (p. 606) cannot be dismissed as a secondary issue. On the face of it, it is somewhat remarkable that this doubt about the prescribing of proprietary articles by National Health Service doctors should have arisen. As long ago as 1931 the Medical Research Council established a Therapeutic Trials Committee, the func-tion of which was to examine new commercial medicaments by controlled clinical tests. And in 1941 the Therapeutic Research Corporation was set up for a similar purpose. În an editorial article in your issue of November 29, 1941, you indicated attractive possibilities for the latter institution. And in the following month it received the formal approval of the Pharmaceutical Society's Council, which "looked forward to the possibility of fruitful col-laboration" and "believed that the active development of such a policy [i.e., sales by pharmacists] would be warmly welcomed by practising pharmacists." It is obvious that present-day prescribers will, in prescribing proprietary articles, limit themselves chiefly, if not exclusively, to those of the "ethical" type. If, then, all or most of such articles are to be banned from the Service, the inducement to manufacturers to continue research on present lines will in many cases cease. That event will, in its turn, cause a marked stagnation in pharmacology. **Xrayser**

COMPANY NEWS

BIOPHARM SERUM LABORATORIES, LTD. (P.C.).— Registered in Dublin. Capital £2,000. First directors are not named. Subscribers' address: 46 London Wall, London, E.C.2.

L. BOOTH (CHEMISTS), LTD. (P.C.).—Capital £5,000. To carry on the business of manufacturing and dispensing chemists and druggists, etc. George F. Barker and Leslie W. Booth, M.P.S., directors, R.O.: 341 Beverley Road, Hull.

ETHICAL PHARMACY (TEDDINGTON), LTD. (P.C.).—Capital £100. To carry on the business of wholesale or retail chemists, etc. Cyril G. A. Sadler and Frederic Holden, M.P.S., directors. R.O.: Adelaide House, Park Road, Teddington.

POLYESTOL, LTD. (P.C.).—Capital £100. To carry on the business of manufacturing and dispensing chemists and druggists, etc. Walter Engel and Herbert J. Wells, directors. R.O.: 103 Cannon Street, London, E.C.4.

Howe & Gunson, Ltd. (P.C.).—Capital £1,000. To acquire the business of disinfectant manufacturers carried on at Dover Road, Blackpool. Arthur C. Howe, Eric Chadwick, and Arthur Doherty, directors.

TRYST COSMETICS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of and dealers in cosmetics, etc. Alfonse H, Kaye and Walter C, Juniper, directors. R.O.: 11A Carlisle Road, London, N.W.9.

Wattstown Pharmacy, Ltd. (P.C.).—Capital £100. To carry on the business of manufacturing and general chemists, etc. Dr. Ernest Orr, director. R.O.: 25 Aberllechan Road, Wattstown, Rhondda.

POROSAN INSTITUTE, LTD. (P.C.).—Capital £100. To promote the general advancement of education (technical and otherwise) among persons concerned in the preparation, preservation and distribution of food and foodstuffs, etc. The directors and other particulars are similar to Polyestol, Ltd. (q.v.).

Fraser-Betts & Sons, Ltd. (P.C.).—Capital £2,000. To acquire the business of a dispensing chemist carried on at 300 Ditchling Road, Brighton. Albert T. Fraser-Betts, M.P.S., Roy M. Fraser-Betts, Cecil D. Fraser-Betts and Harry L. Ranger, directors.

ENESCO SCIENTIFIC GLASSWARE, LTD. (P.C.).—Capital £500. To carry on the business of laboratory furnishers and proprietors, chemical engineers, etc. James A. Davis and Audrey F. M. Batchelor, directors. Solicitor: Aubrey J. Harper, 245 High Street, Beckenham.

F. D. COPELAND & SONS, LTD. (P.C.).—Capital €1,000. To acquire the business of importers and exporters of all natural essential oils carried on at 275 Baring Road, London, S.E.12. Frederick D. Copeland, Irene Copeland and Robert C. Wilkie, directors.

GODWIN & CLARK, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale or retail chemists, etc. Horace W. Clark, Rodney Clark, Reginald Clark, Frederick W. J. Godwin and Leslie J. Godwin, directors. R.O.: The Pharmacy, South Hill, Droxford, Southampton.

R. T. Burley, Ltd. (P.C.).—Capital £5,000. To carry on the business of chemists and druggists, etc. First directors are to be appointed. Solicitors: Godden, Holme & Co., 5 Upper Belgrave Street, London, S.W.1.

R. & R. B. REEVES, LTD. (P.C.).—Capital £6,000. To acquire the business of a chemist and druggist, etc., now carried on at 1 Church Street, Oswestry, Salop. Robert Reeves, M.P.S., Robert B. Reeves, Nellie H. Reeves and Alice M. Reeves, directors.

CHEMICAL ENGINEERS (GLASGOW), LTD. (P.C.),—Registered in Edinburgh. Capital £2,000. To carry on the business of manufacturers of and dealers in chemical engineering, scientific and surgical machinery and instruments, etc. First directors are to be appointed. S. A. J. Murray, secretary. R.O.: 31 Townsend Street, Glasgow, C.4.

GLAXO LABORATORIES, LTD.—Net profit, before deduction for tax, for the period of nine months ended June 30, was £976,101, against £1,139,98 in the previous twelve months. A final dividence is recommended of 4s. 10½d. per unit, making a total equal to three-quarters of the previous year's dividend of 125 per cent.

Aspro, Ltd.—Net profit for the year ended Jungo before charging income tax was £320,684 against £544,353 in the previous year. Surplus before income tax, was £355,489 (£593,557), in cluding £32,000 (£102,000) distributed by subsidiary companies and non-recurring charges amounting to £60,000. £100,000 (£140,000) is transferred to general reserve, and £29,187 (£67,604) is carried forward. A final ordinary dividend is recommended of 20 per cent., less tax, making 35 per cent. for the year, compared with 50 per cent. in 1946-47.

BUSINESS CHANGES

ALLEN & HANBURYS, LTD., have appointed Mr F. E. Rymill, B.Sc., A.M.I.Chem.E., F.R.I.C. head of their biochemical department.

HARROGATE PHARMACEUTICALS, LTD., Golden Mil-Works, Bridgend, Glam, have appointed Mr. G. R Ward-Booth, M.P.S., sales manager.

British Chemical Plant Manufacturers Association is removing on November 15 to 1. Suffolk Street, London, S.W.1 (Telephone: White hall 0766).

CHEMICALS AND ESSENTIAL OILS, LTD., have re moved to Sardinia House, Sardinia Street, Kings way, London, W.C.2. The company's telephonnumber (Chancery 6116-19) is unchanged.

EVANS MEDICAL SUPPLIES, LTD., have made th following appointments at their Speke headquar ters: Mr. J. L. Burgess, B.A., general manage of the workshops; Miss N. M. Davidson, proprie taries buyer.

THE NORTH BRITISH RUBBER Co., LTD., ar transferring their Belfast warehouse to larger pre mises at 52 Hill Street, Belfast, on November 15 The telephone number (Belfast 23924) is to re main unchanged.

BIRTH

CALDWELL.—At the maternity hospital, Motherwell, Lanarks, on October 30, Ina, the wife of Mr. Andrew Caldwell, M.P.S., 61A Main Street, Cleland, Motherwell, of a son.

DEATHS

BOYLE.—At Law Hospital, Carluke, on October 19, Mr. Thomas David Boyle, M.P.S., 97 St. Leonard Street, Lanark, aged twenty-five.

Devon.—At Kenwyn Lodge, Fortis Green Road, London, recently, Mr. Frederick C.



Devon, aged ninetysix. Mr. Devon was one of the oldest members of Commercial Sale Rooms, and commenced his business career in the firm of William Northcott & Sons, 13 Rood Lane. In 1892 he started business on his own account at 14 Fenchurch Street, as F. C. Devon & Co.

Up to the latter part of 1939 he was actively engaged in the business, but in 1940, after his house in North London was bombed, he was moved to a nursing home, where he remained until the time of his death. "His passing away," writes an associate, "will leave a gap in the last-thinning ranks of the older members of the chemical trade, and he will always be remembered with affection and esteem by all who knew him." Another former business associate writes:—The doven of the essential oil trade has passed on in his ninety-seventh year, and a link with an earlier generation has been severed. All those who were privileged to know him will remember him with affection and cherish his memory. There are many who in the early days of their career benefited from the paternal advice and help he so willingly and wisely gave and which has guided them through the years. They now mourn the loss of a wise counsellor. He was a wellknown figure on 'change in the days when nerchants met there daily. Although for almost a decade he had been confined to his bed, his latter years were peaceful and sublime, and he passed on in his sleep.

Du Mez.—At Washington, D.C., U.S.A., on September 27, Dr. Andrew G. Du Mez,

Dean of the School of Pharmacy, University of Maryland, aged sixty-three. Dr. Du Mez was secretary of the American Council of Pharmaceutical Education and was vice-chairman, 1930-40, of the committee of revision of the United States Pharmacopæia. He was president of the American Pharmaceutical Association and of the American Association of Colleges of Pharmacy, twenty-sixth Remington medallist of the American Pharmaceutical Association, and in 1947 was appointed pharmacy consultant to the Surgeon-General of the American Army.

Gartside.—On October 5, Mr. Herbert William Gartside, M.P.S., Red Lion Cottage, Catforth, Preston, Lancs. Mr. Gartside qualified in 1910.

HARVEY.—At 19 Wetherby Gardens, London, S.W.5, on October 26, Colonel Ralph Key Harvey, D.L., T.D., aged eighty-three. Mr. Harvey joined his father, the late Mr. Charles Harvey, in the business of Barron, Harveys & Co., in 1888, became partner upon his father's death in 1891, and senior partner, with control of drug buying, in 1899. When the business was amalgamated with other firms into The British Drug Houses, Ltd., in 1909, Colonel Harvey became a director of the new company, but retired from the board in 1929.

Marsland.—On October 29, Mr. Alfred Marsland, M.P.S., 160 Curzon Road,

Ashton - under -Lyne, Lancs. Marsland served his apprenticeship with the late Mr. John Hall, Ashton, qualified in 1901, and purchased in 1906 the business Mr. J. of C. Crompton, Ashtonunder-Lyne. An article Mr. on Marsland's career appeared in the C. D. (1946.II.604).



Stegar.—On October 13, Mr. Sidney Stegar, Ph.C., whose address in the register was 73 Longmore Avenue, New Barnet, Herts. Mr. Stegar qualified in 1945.

SUTTON.—On October 29, Mr. Robert Shadrach Sutton, M.P.S., 11 Kirkstall Road, Birkdale, Lancs. Mr. Sutton qualified in 1920.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

In the House of Commons on November 1 Mr. J. Morrison asked the Minister of Agriculture what plans he had for linseed production in this country for 1948. Mr. G. A. Brown (Parliamentary Secretary) replied that no definite acreage targets had been set, but county agricultural executive committees had been asked to encourage farmers to grow as much as possible.

Shop Tenancies in Scotland

MR. ARTHUR WOODBURN (Secretary for Scotland), answering questions on giving increased security of tenure to tenants of business and shop premises in Scotland, said he had given further consideration to this position in consultation with the President of the Board of Trade. "We propose that, in the light of recent experience, the matter should be the subject of further inquiry, which will cover examination of the terms of tenancy of shops and business premises. We have accordingly invited the members of the Committee of Inquiry to continue their investigations."

Difficulties of Small Businesses

Mr. W. R. S. Prescott asked the President of the Board of Trade whether he was aware that, by virtue of higher prices, purchase tax, and increased overheads, small businesses were finding their financial resources insufficient, and what steps were proposed to alleviate the position. Mr. A. G. Bottomley (Secretary for Overseas Trade) replied that he was not aware that the factors to which Mr. Prescott referred were creating difficulties for small businesses not shared by other sections of the community.

Tung and Linseed Oils

Mr. A. C. Bossom asked the President of the Board of Trade what was the average price at which the Government had bought tung oil prior to July 1947; the profit the Government made on sales; and whether he would publish a full profit and loss statement of the negotiations.

Mr. A. G. Bottomley (Secretary for Overseas Trade): Final figures are not yet available, but it is estimated that, from the commencement of public purchase to July 1947, the average cost ex warehouse was about £246 a ton. The average profit was 28s. per ton, or about one-half of one per cent. over the whole period.

Mr. A. C. Bossom asked the Minister

of Food if he was aware that the price in 1939 of linseed oil was £22 per ton when purchased by private enterprise, while it now cost £185 per ton when bought in bulk by the Government, and if he would explain the reason for that great increase in price. Dr. Edith Summerskill (Parliamentary Secretary): The reason is the general increase in world prices of all oils and fats, due to the fall in supplies of both animal and vegetable oils and fats in most parts of the world.

Dangerous Drug Licence Refused

MR. BOYD-CARPENTER asked the Home Secretary on November 4 whether, in view of the loss of earnings to this country involved in a decision to refuse to grant a licence for the importation of certain (Dangerous) drugs by a Surbiton firm for purposes of re-export to Norway, he would reconsider the decision. The reply given by the Minister (MR. CHUTER EDE) was that for reasons already given he was not prepared to grant a licence to the firm in question. He was advised that granting a licence would merely have meant that the firm in question would have carried on a trade that another firm was already doing.

National Health Service

The Minister of Health (Mr. ANEURIN BEVAN) informed Dr. Somerville Hastings on November 4 that, although no precise figures were available, more than 1,000 applications to secure the basic salary were understood to have been granted to entrants into general practice in medicine. About 13 million persons had applied for free dental treatment since the setting up of N.H.S.; 18,165 general practitioners, 8,343 dentists and 93.1 per cent. of the general population had joined the service, but he told Sir Waldron Smithers that there was no evidence that doctors and dentists were breaking down under the strain of the work imposed upon them. In a written reply to Sir E. Graham Little, on November 5, he stated that he saw no reason to alter the arrangement (in force under the old National Health Insurance scheme) under which medical practitioners in Scotland were permitted to obtain without restriction medical supplies for personal use in their practice, while in England they were restricted to an amount of 2s. 6d. per annum per 100 patients.

LEGAL REPORTS

Sulphonamide Judgment Reserved.—After a hearing that lasted ten days, the Court of Appeal, on November 5, reserved judgment in an appeal by May & Baker, Ltd., and Ciba, Ltd., against an order by Mr. Justice Jenkins on January 29, made on the petition of Boots Pure Drug Company, Ltd., revoking a patent granted to the appellants for an invention entitled "Manufacture of new benzene-sulphonamido derivatives," and his refusal to allow the specification to be amended by restricting the patent so as to claim protection only for the manufacture of sulphathiazole and sulphamethylthiazole (see C. & D., February 7, p. 173).

Pharmacy Act Fines .- For unauthorised sales of poisons, and for using the title 'pharmacies" without entitlement, Isidore David Bernstein, Market Parade, Portland Road, South Norwood, London, S.E.25, was at Croydon, Surrey, on November 5, fined £5, with £5 5s. costs. There were five summonses, to all of which he pleaded guilty. Three related to National Health Service prescriptions made up by him and involving hyoscyamine (in vegetable laxative tablets) the alkaloids of belladonna, and nux vomica. The other summonses concerned a sale of hyoscine in a proprietary preparation Kwells, and mis-description of his business. Mr. A. C. Castle, for the Pharmaceutical Society, said that, in February 1947, defendant acquired what was then a pharmacy, but, not being qualified, he was intending to form a company and get qualified supervisory assistance to meet the Pharmacy Acts. On July 29, Mr. Roberts, the Society's chief inspector, bought of Bernstein a shampoo powder and a packet of Kwells, to which was attached a label marked "Stott's Pharmacies, Ltd." fendant said he had not realised that Kwells could be sold only by qualified chemists. The inspector, with permission, inspected the shop, and behind the counter found thirty-one National Health Service prescriptions, and the "Stott's Pharmacies, Ltd." stamp. After an initial denial of having dispensed poisons, Bernstein admit-ted having made up all the prescriptions. He did it, he said, to oblige customers, who had pressed him to do it, and was making no profit from it. Defendant was on the Croydon Executive Council's list, but only for supplying surgical appliances, and was not entitled to dispense National Health Service prescriptions.

PERSONALITIES

Dr. M. Mackenzie (principal medical officer, Ministry of Health) attended the second session of the Executive Board of the World Health Organisation, held in Geneva recently.

Miss L. E. Brothwood, who was recently elected chairman of the Chester-

field branch of the Pharmaceutical Society, was educated at Chesterfield Girls' High School, Uni-Nottingham versity and Birm-ingham School of She Pharmacy. served her apprenticeship at the Chesterfield Royal Hospital, and qualified in July 1934. In her own words, she "defied all conventions of pharm-



acy by opening a business in 1935 without any previous business experience," and ran the business single-handed until the past few months, when the National Health Service made this impossible.

MR. JOHN SHIEL, L.R.C.P.I., L.R.C.S.I., Ph.C., P.C., barrister-at-law, has accepted an invitation to serve on a council established in Eire to devise pharmaceutical formulas for use in medical institutions under Government control.

MR. PETER KNAPP, Basle, Switzerland (secretary of the Société des Droguistes de Bâle), visited the offices of The Chemist and Druggist recently while on holiday in Britain. Mr. Knapp is the proprietor of a retail and wholesale business in Switzerland.

Dr. R. W. Woods, Emeritus Professor of Experimental Physics, Johns Hopkins University, Baltimore, U.S.A., received an honorary D.Sc. degree at Oxford, England, recently. Dr. Woods' researches have been important in the development of infra-red and ultra-violet photography.

Professor P. M. S. Blackett, Manchester University (a vice-president and former president of the Association of Scientific Workers), has been awarded the 1948 Nobel prize for physics. The award is in acknowledgment of his development of the Wilson cloud chamber method of studying the tracks of atomic particles, and of his discoveries in nuclear physics.

TRADE NOTES

Sole Agency.—W. K. Wasson & Co., 38 Mount Merrion Park, Knockbreda Road, Belfast, Northern Ireland, have been appointed sole distributing agents in Northern Ireland for Ru-Mari compound.

Redesigned Package.—Coralie's Hand and Nail Culture Institute, Ltd., 35 Old Bond Street, London, W.I, have restyled Coralie's Healthinale, which is again freely available. The new pack is a green and silver collapsible tube in carton.

Film Cameramen at Factory. — Glaxo Laboratories, Ltd., Greenford, Middlesex, state that film "shots" of the streptomycin filling and packing operations at the company's Greenford works were taken recently by Pathé cameramen and are now showing at various cinemas throughout the country.

Price Reducton.—The price of the dispensing (1,000) pack of caps, vitaminorum, N. (W.) F., issued by Crookes Laboratories, Ltd., Park Royal, London, N.W.10, has been reduced. The company has recently introduced a 500-capsule pack of Crookes vitamin A capsules.

An Obsolete Price.—A. L. Simpkin & Co., Ltd., Hunter Road, Sheffield, point out that an incorrect price appeared in the company's announcement in a recent issue of the C. & D. for T.C.L. and friar's balsam pastilles, the correct price for which, following a recent reduction, is 1s. 6d. per tin.

An Inhalant Returns.—Bronchovydrin (1945), Ltd., 12 Westwood Road, Barnes, London, S.W.13, announce that Bronchovydrin inhalant for the treatment of asthmais back on the British market and may be obtained from the company as manufacturers and sole distributors. The preparation is exempt from purchase tax.

Pack and Price Change.—From January 1, 1949, the medium size of Silvikin lotion is being renamed large size, and the price is being reduced. From November 15 it will be invoiced at the new price by both the sole distributors, Scott & Bowne, Ltd., Winchester House, Old Broad Street, London, E.C.2, and wholesalers, but retailers should continue to sell at the old price until December 31, 1948.

Something New in Hairbrushes.—Introduced only a few weeks ago, the Addis Beauty hairbrush, manufactured by Addis, Ltd., Brush Works, Hertford, has, even without advertising, proved an outstanding

success. From the outset demand was overwhelming and production, already doubled, is being still further increased. Substantial Press advertising is about to begin, and there is little doubt that the new type of brush will rapidly become a steady all-the-



year-round seller. The design is based on the recommendations of advocates of deep brushing as the secret of beautiful hair. The eight rows of tufts are set like spokes in the hub of a wheel, making it easy to brush the hair with the desired rotary movement of the wrist. The brush is extremely easy to wash—there are no removable parts to trap dirt, grease or loose hairs; the user can see at a glance when the brush is clean; and the handle is of transparent plastic in moonstone blue, zircon green or pink topaz. Each brush is packed in a transparent container.

Quality Fair.—An exhibition to be held at Olympia, London, from November 29 to December 8, is intended to bring to the notice of buyers articles that conform to the highest standards of design, material and workmanship traditionally associated with English manufacture (Welsh and Scottish products are not being shown). It is it hoped to attract many foreign buyers, and to this end announcements are appearing in many overseas publications.

New-type Penicillin Pastille.—Carnegie Bros., Ltd., 227 Essex Road, London, N.1, have introduced gelatin-base pastilles of penicillin which they claim are a significant advance in oral therapy. The pastilles are prepared by a patented process resulting in exceptional stability. Each pastille contains 500 international units sodium penicillin, and they are packed in "catch covers" of one doz. pastilles, one doz. catch covers to each box. The medical profession has been circularised.

A Cause of Delay.—British Chemicals & Biologicals, Ltd., 43 Regent Street, Loughborough, Leics, state that delays are being caused because some chemists are continuing to send orders to Benger's, Ltd., Holmes Chapel, Ches, and to Whiffen & Sons, Ltd., London, instead of to the address at Loughborough through which the pharmaceutical products of Benger's, Ltd., Genatosan, Ltd., and Whiffen & Sons, Ltd., are now being distributed (see C. & D., September 25, p. 401). The company states that urgent prescriptions for medical specialities of the group (e.g., Auralgicin, Cardophylin, etc.) are probably best met by obtaining supplies from trade wholesalers.

Proprietary Articles Trade Association

Alterations to List (Part 1).—Allen & Hanburys, Ltd., Rutin tablets, A & H, 20-mgm., 100's, 120s. doz., 15s.; (dispensing) 1,000's, 70s. each; 60-mgm., 100's, 240s. doz., 30s.; (dispensing) 1,000's, 140s. each (all exempt from tax).

Clinical Products, Ltd., and Moore Medicinal Products, Ltd. (distributors: Moore Medicinal Products, Ltd.), Deedon inhaler, home model C, 227s. doz., 27s.; composite model D, 243s. 6d. doz., 29s.; model E (oily solution and powder insufflator), 189s. doz., 22s. 6d. Methept tablets, 25's, 25s. doz., 3s.; 100's, 82s. doz., 9s. 9d. (all exempt from tax). Display bonus to retailers, 10 per cent. on assorted orders to net value of £5 and over of products of Moore Medicinal Products, Ltd., and of Clinical Products, Ltd., 5 per cent. discount on assorted orders to net value of £2 10s. and over of products of Moore Medicinal Products, Ltd., and Clinical Products, Ltd. Carriage paid on direct orders of £2 10s. net.

Additions to Protected List (Part 2).—Anzora Perfumery Co., Ltd., Brilliantine, jasmin and violet, 4-oz., 10s. doz. (tax 100 per cent.), i.r.p. 2s. 1d.; Nuzora, 10s. doz. (tax 100 per cent.), i.r.p. 2s. 1d.

Crystal Products, Ltd., and Henry C. Miner, Ltd., Details on application to secretary, P.A.T.A., 43 Gordon Square, London, W.C.1.

Marie Antoinette Co., Ltd., Marie Antoinette liquid hair colour restorer, 28s. doz (tax 100 per cent.), i.r.p. 5s. 10d.

Alterations to List (Part 2).—Culmak, Ltd., Culmak Junior shaving-brush, 25s. doz. (tax 33\frac{1}{5} per cent.), i.r.p. 3s. 9d.

Modern Electrical Industries (Southern), Ltd., Warmabed de luxe electric blankets, Purchase tax was reduced on September 29 from 66\frac{2}{3} per cent. Prices are now: Double de luxe, \(\xi_6 \) ifs. 2d. each (tax 33\frac{1}{3} \) per cent.), i.r.p. \(\xi_{11} \) 5s. 2d.; single de luxe, \(\xi_4 \) ios. 8d. each (tax 33\frac{1}{3} \) per cent.), i.r.p. \(\xi_{7} \) per cent.), i.r.p. \(\xi_{7} \) gs. 11d.; junior de luxe, \(\xi_{2} \) 21s. each (tax 33\frac{1}{3} \) per cent.), i.r.p. \(\xi_{7} \) 7s. 8d. \(\xi_{10} \) Voltas, I.td., Voltasyn, 16s. doz., 1s. 9d. (exempt)

PLASTICS "HALL-MARKS"

A CERTIFICATION mark ("plastics mark") has been agreed upon between the British Plastics Federation and the British Stan-



dards Institute. The purpose of the mark is to ensure t h a t materials a n d articles made therefrom a r e correctly manufactured according to the appropriate B.S. s p e c i fication. The mark (illus-

trated above) is in the form of a circle with the initials B.S. (indicating British Standards), in the centre, and the initials B.P.F. (British Plastics Federation) on the left-hand side. Code letters and numbers on the right-hand side refer to the manufacturer and specification concerned. At present the scheme applies only to moulding powders made from phenol formaldehyde, and to urea formaldehyde resins and certain moulds made therefrom. Licences have been issued to seven companies in-cluding Bakelite, Ltd., Halex, Ltd., and Imperial Chemical Industries, Ltd. When applications for licences are received, either by the Federation or the Institute, the factories of the applicant are then visited by B.S.I. inspectors to ascertain whether there are adequate testing facilities. Statistical control charts are required to be kept for some tests. An application in respect of a moulding powder may be met with a request to appoint a technical member of the staff to keep records and act as an inspector for the B.S.I. The certification mark for moulding powders has been registered in the Argentine, Australia, Canada, New Zealand, South Africa, Sweden and Switzerland.

THE WORK OF A PRICING OFFICE

A C. & D. representative visits the South-eastern Pricing Office, where N.H.S. prescriptions from eleven Executive Council areas are priced.

THE demand of chemist contractors that they should receive, for their National Health Service dispensing, prompt pay-



Mrs. J. K. Irvine, M.B.E., Superintendent, Southeastern Pricing Office.

ment based pricing in full has focused attention —and a certain of amount criticism-on the work pricing the offices. At the end October the Executive of the National Pharma-Union centical passed a resolution "with viewing alarm the ineffectiveness of certain pricing offices, notably the Southeastern and the

South-western." A member of the C. & D. editorial staff recently visited the South-eastern Pricing Office at Cedars Road, Clapham, London, S.W.4. The object of the visit was not to pass judgment—obviously an impossibility from a single short visit—but to gain some impression of the magnitude of the task involved.

To Cedars Road, Clapham, come the prescriptions from the following Executive

Council areas :-

Brighton Croydon Eastbourne Hastings Isle of Wight Kent and Canterbury Middlesex Portsmouth Surrey, Sussex, East Sussex, West

Two Millions in October

From January 1948 to the end of June the number of prescriptions from those areas, under National Health Insurance, was nearly 5½ millions. In July the number was 1½ millions, in August 1,600,000, in September 1,900,000 in October over two millions. For the first complete year of N.H.S. the total number of prescriptions is likely to be not less than twenty millions (about double the total for the last complete year of N.H.I.).

The pricing office originally occupied one large house. In 1938 extra space became necessary as the volume of work increased, and the lease of the adjoining house was acquired. The new premises

were adapted as offices, and the two houses joined to make one self-contained building.

The present staff numbers 108 (against 62 a year ago). The superintendent is Mrs. J. K. Irvine, M.B.E., M.P.S. (a member of the Council and immediate past-president of the Pharmaceutical Society). Health reasons now prevent her from attending the office more than three days a week. (During her term of office as president of the Society she had a serious illness; after it she asked to be released from her position at the pricing bureau. She agreed to continue her work on a part-time basis at the request of the South-

eastern Joint Committee.)

There are two assistant superintendents: Miss D. Murgatroyd, M.P.S. (who is responsible for pricing work) and Miss K. Munford (responsible for administration and financial matters). The total working costs of the office in 1947 were about £15,085, of which some £12,400 was for staff and superannuation. Mrs. Irvine and Miss Murgatroyd are the only pharmacists on the regular staff; two others come in to do some part-time pricing work. Several of the staff, and one or two part-time workers, have the Apothecaries' Hall qualification, have served indentured apprenticeships, or have some experience of dispens-(Girls with the "Hall" certificate are eligible for the same salary rate as they would receive in a hospital).

Opening the Parcels

In the early days of each month parcels of prescriptions from every chemist in the south-eastern area arrive at Cedars Road, and to deal with them the Post Office has to make special delivery arrangements. The majority of the parcels are registered, and must at once be checked against the Post Office registration lists. On the whole the parcels arrive in good condition; a few are badly packed and require first aid en route or when they arrive

Since the system of payments on account has been in operation, all parcels have had to be opened immediately upon receipt. (Previously the opening was spread out over three weeks to ensure a steady flow of work). For this huge task almost the whole of the staff must be diverted from their usual work, and the opening room, at the beginning of the month, is a scene of

extreme but planned activity. In addition to the chemists' scripts, each parcel contains—or should contain—copies of two forms: E. C. 34, the invoice form which is used for the eventual payment based on either pricing in full or partial averaging; and E.C. 38, which is a claim for payment on account. On both forms should be entered the chemist's name and address, his Executive Council area, and the number of prescriptions. The entries on E.C. 38 and E.C. 34 are cross-checked. If they agree, E.C. 38 is endorsed and forwarded to the Executive Council and acts as the authority for payment on account at the rate (at present) of 1s. 1od. per prescription. Any delay on the part of the Executive Council offices once form E.C. 38 has been dispatched cannot, of course, be blamed on the pricing office. If the form is omitted from the parcel, the pricing office must write to the chemist for it. Not only does this delay payment to the chemist, but it means that many bundles must be held up in the pricing office until the form is received. Some parcels are found to include also the chemist's claim for rota payments. Such claims are the concern not of the pricing office but of the Executive Council. When they are included in chemists' parcels, they must be extracted and readdressed (and more labour is thus diverted from pricing).

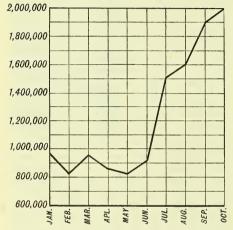
Invoice Forms Extracted

When the payment-on-account forms have been dealt with, the invoice forms are extracted and replaced by a docket card bearing the same particulars, with spaces for the initials of the various members of the staff - openers, pricers, totallers, accounts clerks-who will handle the bundle of prescriptions in the course of its journey through the pricing office. The invoice form is taken to the accounts department, where it is eventually joined by the fullypriced bundle. The bundles now have to take their turn in the queue for the attention of the pricers (and a long queue it is at present). Their storage is in itself a formidable problem.

During the first week in November, July prescriptions from all Executive Council areas but one had been priced in full. The office was also engaged on various stages of pricing 5s.-and-over prescriptions for August and September, and a start had been made on the pricing-in-full of some October prescriptions. [It has since been decided that October prescriptions are to be priced on an averaging basis.]

Pricers at Work

There are eight separate pricing rooms in the office. In six of them are "tariff" pricers, with a senior pricer in charge in each room. Each "tariff" pricer works at a table which is fitted at the back with a rack, rather like the music stand of a grand piano, which holds a chart 5 ft. long and 20 in. high. The chart is divided vertically into six sections, and contains lists of drugs and prices arranged according to the Drug There is an elaborate system of Tariff. cross references indicated by asterisks, "daggers" and other symbols. New charts are issued each month by the Ministry of Health, changed prices being indicated by not very conspicuous "daggers." The chart, of course, must correspond with the prescriptions that are being dispensed, so that, if prescriptions for different months are being priced in different rooms, three or four sets of charts may be in use at any To the eye of the newcomer one time. the charts are confusing and complicated. Tinctures, for instance, appear in four different parts of the chart; to find one particular tincture it may be necessary to search through all four sections; ointments, syrups, etc., are similarly scattered according to their "status" in the Drug Tariff. For each drug the chart gives a symbol (as in the Drug Tariff) which acts as a quick reference to the appropriate page of the ready-reckoner with which the pricer is provided. All drugs having the same basic price carry the same symbol. In practice, pricers are soon able to carry in their heads the more commonly needed prices, and require to refer to the charts only for less usual drugs. Bundles of prescriptions are first distributed to the "tariff" pricers. The bundles are usually not in doctor order, though a few chemists continue the pre-war custom of sorting them. A "tariff" pricer works through her bundle, pricing as many prescriptions as she can from the charts and ready-reckoners, and separating out those with which she cannot deal. Drug costs and dispensing fees are entered in the pricing columns of each form (they are easily distinguishable because drugs costs are priced in decimals of a penny, dispensing fees in even pennies). A ring is drawn round any item costing 5s. or more. The more difficult prescriptions (perhaps 25 per cent., although the percentage varies considerably from bundle to bundle) are passed to the senior pricer in the same room, who is armed with a comprehensive collection of makers' price-lists with which to price items not covered by the Tariff. She also has various "aids to pricing" compiled either by the office or by the pricer herself. Once any special price has been worked out it is noted down for the next time it is needed. The senior pricer can probably price the balance of the prescriptions except for some 5-10 per cent. (again the percentage varies), which must be referred to the "special pricers," who have two rooms of their own.



The graph above shows the number of prescriptions sent for pricing to the South-eastern Fricing Office in the Tirst ten months of 1948. In the whole of 1916 about 2,500,000 were priced at the office. The figure rose steadily, passing three millions in 1920, four millions in 1924, six millions in 1929, and by 1938 had reached 8,750,000. Figures tell off to some extent during the war, but by 1947 they had climbed to a new record of 9,786,000.

The "special" pricers have an even more comprehensive range of reference books and can deal with all but a few of the difficult prescriptions. When reference to the chemist is needed the prescription is usually passed to Miss Murgatroyd, who telephones for any missing information. Occasionally some prescriptions may need to be referred to the Executive Council.

After preliminary training, a beginner is able to price 400-500 straightforward prescriptions a day. An experienced girl may price up to 1,200 prescriptions a day, dealing with both straightforward and difficult items. From a quick examination of typical bundles of prescriptions it is difficult to discern any definite pattern of prescribing. Habits vary from district to district, and, inside any one district, from month to month. The proportion of non-formu-

lary mixtures for which each ingredient must be priced individually, is high. There are many proprietaries ordered, and since July 5 doctors have been ordering proprietary mixtures that they previously dispensed themselves from stock.

Prescription Oddities

Illegibility in itself is not an important problem: the pricers soon become adept at interpreting even the worst writing. bigger problem is the doctor who writes his prescriptions all over the form, filling the pricing columns, the margins and sometimes even continuing on the back. One doctor is apparently in the habit of "doodling" on his prescription pad while talking to his patients. His prescriptions are decorative but it is sometimes difficult to sort out the medicines prescribed from intricate drawings of cats, dogs, elephants and houses. The prescriptions of another doctor were found to include a legend written just above his signature. On prescriptions written on July 19 it was deciphered as "15th day of slavery." Two months later, the form of the legend changed: a prescription (perhaps written after he had received his first N.H.S. cheque) reading "68th day of Utopia." A prescription from another doctor for an expensive type of elastic bandage bore a note: "The ordinary elastic bandage will be no good at all for this patient. Aneurin Bevan says panel patients may have any appliance—so what?" The prescription was quite in order, and payment to the chemist was authorised. One of the oddest prescriptions seen was for "a small metal screw cap like you found for Lady noon.

Some of the difficulties of "special" pricing could be avoided if chemists' explanatory notes were more explicit. Where a prescription could have been dispensed in several possible ways (each carrying a different fee or a different drug cost) the pricer is at a loss unless the chemist makes the necessary note. For proprietary preparations it is more helpful to note the maker's name than the cost or retail price. The pricing office must be ready to justify any price to two authorities: to the National Pharmaceutical Union, which conducts a monthly check, and to the Treasury, which makes periodical audits. If the maker of an item is known, the cost price can be discovered from the list. (The chemist is always credited with what the item would cost when bought at the highest wholesale rate.) An obvious loophole for abuse would be opened if the pricing office were blindly to accept a chemist's own statement of cost price. Where only a price is stated, therefore, catalogues must be searched until one is found that includes the item at the price stated.

Adding and Counting

Eventually, all the prescriptions are completely priced, and they go to the machine rooms. Here the drug costs and dispensing fees are added separately on machines. In the same process the total number of prescriptions is counted mechanically. figures for 5s.-and-over and under-5s. prescriptions are added separately, as they may later be required as the basis for payment by averaging. Chemists send in their bundles divided into the two price groups; but any one form may include an item from each group. When pricing-in-full is in progress, 5s.-and-over prescriptions that may be found in the lower-cost group are, as stated above, ringed by the pricer. Similarly, any under-5s. items that may have been included in the higher-price batch are in the final addition included in Thus a chemist's the appropriate total. "average," in a price-in-full month, is not prejudiced if he inadvertently includes a prescription in the wrong bundle, but it is most helpful to the pricers if borderline cases are included in the more expensive batch. During an "averaging" month it has been the practice, so far, at the Southeastern office, to scrutinise all the under-5s. bundles in order to pick out 5s.-and-over prescriptions that may have been accidentally included. To do so, while protecting the chemist, has involved considerable work and it is likely that in future the process may have to be omitted. What ever prescriptions are included in the lowprice bundles will be "averaged."

The passage of prescriptions through the pricing office is now nearly complete. In the accounts department are prepared the forms which authorise payments to chem-To the total of drug costs for each chemist must be added 33 per cent., to the dispensing fee total, 1611 per cent. When finally, the container charge at the rate of 2½d. per prescription is added, all is ready for sending to the Executive Councils the certificates authorising payments to chemists. It is for the Executive Councils to deduct, before actual payment is made, any payments on account that have been made previously. In fairness to the pricing offices, it should be noted that delay may occur after the Executive Council has received the authority for payment. It is reported that there have been delays of up to five weeks between the dispatch of the authority by the pricing office and the receipt by the chemist of his cheque.

In outline, the pricing process may appear simple enough. In practice there are many difficulties, the chief of which is the high proportion of prescriptions that cannot be priced either from the tariff charts or from the list agreed between the Ministry and the N.P.U. A perpetual problem is to organise the staff to ensure an even distribution of work throughout the office, so that all departments are fully occupied. Statistical work on doctors' prescribing habits, etc., is no longer undertaken at the office. Requests are received, however, from the Ministry of Health, for statistics required in the course of negotiations with the Contractors' Committee. To provide one such set of statistics may mean that all the senior staff must be diverted from their normal work for so much as ten days, with a consequent hold-up in the pricing of the more difficult prescriptions. A recent advertisement for a superintendent of a pricing office (annual salary £595-660 for a pharmacist, £550-610 for a non-pharmacist) said "applicants should have outstanding office and administrative ability and be accustomed to the control of staffs. The advertisement was not exaggerating.

A PHARMACIST'S ANTHOLOGY

THE most interesting of these [stories] concerned the fine house plant, or house leek as it is sometimes called, which grew on the roof of an outbuilding [of a farm on the upper Stratford Avon]. One day, we were told, a family of gipsies had encamped nearby, as they are wont to do in this neighbourhood for the pea-picking. Their youngest child was taken ill with pneumonia-so ill that her life despaired of until by some means the parents discovered the existence of this house plant. They were permitted to take away some of the thick cactus-like leaves, from which they made an infusion, and the child rapidly recovered when this primitive medicine had been administered. The sceptic will say "in spite of" rather than "because," but is it unduly credulous to credit the wandering gipsy with shreds of ancient wisdom which the more civilised have lost?

From "Narrow Boat," by L. T. C. Rolt.

1798-948 1798-948

It was the policy of John Bell—our Founder—that medicinal products must be of irreproachable quality.

Through the years we have progressed

always with this aim in view.

To-day, our Anniversary witnesses much recommendation and goodwill for John Bell's products.







The Oil-less
EMBROCATION
(EST. 1908)

Available direct or from your wholesaler
CURACHO CO., 10 Dingwall Road, CROYDON
PATA Telephone: Croydon 3226

SESSIONS' SELF-ADHESIVE LABELS

for difficult Surfaces

Write to-day for Samples

WILLIAM SESSIONS LTD

THE EBOR PRESS - YORK

BURROUGH'S

60 gallons or less in 6 months requires no Control Licence.

S.V.R.

James Burrough Ltd., 1 Cale Distillery, London, S.B.11

TRAGACANTH

S P E C I A L I S T S I N B. P. P O W D E R SAMPLES AND PRICES ON REQUEST FREUDENTHEIL, SMITH & CO., I 16 Philipot Lane, LONDON, E.C.3 MANsion House 1924 & 6600. Estd. 1826

Protection identification labelling

Full information from

INDUSTRIAL TAPES LIMITED

92-94 NEWMAN STREET, LONDON, W.1. MUSeum 4215-6-7

49 Bathbone





Metaldehyde

BRITISH MADE

SAFE SOLID FUEL SLUG AND SNAIL KILLER

IN PACKETS, 1/3, 2/4, 5/6

Obtainable from Chemists, Ironmongers and Seedsmen Sole Concessionaires for the U.K. and Eire

H. R. NAPP LIMITED

3 & 4, Clements Inn, London, W.C.2

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Flying Wheel tooth-brushes Garlosil

Eucarsine Panbanine



ESTABLISHED 1859

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain. Eire, British Empire, and foreign countries Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CL NOVEMBER 13, 1948 No. 3586

Worst Pricing Problem Ever

ONLY questions of the highest moment could justify the calling of a third national conference of representatives of Pharmaceutical Committees so soon after the second had given, with virtual unanimity, its instructions to its leaders on how to proceed. Those weighty matters exist. They were brought to a head by the Ministry of Health when, following the September Conference's rejection of averaging, the Ministry announced full pricing as the method to be adopted for dealing with the immediate problem of the October pres-What full pricing entailed in further delays of payments was not known to that Conference. It was not fully known, indeed, to the National Pharmaceutical Union Executive at the time. When it was revealed by the Ministry that even to price October prescriptions in full would take one bureau until April 1949, with everything else set on one side, and other pricing offices until March, the Contractors' Committee stepped in and, acting without mandate, agreed to a return to averaging for that month, for November and for December. Their action comes before the November 24 conference for endorsement. Even on that basis, prescription pricing for 1948 will not be completed, at present rates of dealing with them, until the end of February 1949, and a severe epidemic in the meantime may upset the time-table again.

The N.P.U. is now putting forward what it holds to be a minimum plan consistent

with adequate and accurate payment after January 1, 1949. The plan entails pricing in full of 25 per cent. of prescriptions of a net ingredient cost below 2s. 6d., and pricing in full of those valued at 2s. 6d. and over, making an estimated 35-40 per cent. priced in full. The N.P.U. does not claim that that system can be operated—without drastic reorganisation of the pricing methods—in such a way as to see a month's scripts priced within four weeks.

It is perhaps only natural that chemists who have not yet received payment in full for the prescriptions they dispensed in July should be tempted to lay all the blame at the doors of the offices at which the prescriptions are priced. Recently the pricing bureaux have been the target for shots fired from all directions, with little opportunity to hit back. There is another side to the picture and it is to some extent given on pp. 632-35, in an account of the work of one of the most criticised offices. A reader of those pages will have to admit that the staff at the office has been tackling an extremely difficult problem with keenness and efficiency. It must be borne in mind, too, that the basic system of pricing is decided not by the pricing office but by the Ministry of Health. The fact is that the machinery was efficient for its original purpose and output, but that times have changed. In particular the National Health Service has commenced. It seems clear that, so long as the present involved system, with its incredible number of "variables," and its calculations to the nearest first place of decimals, remains obligatory, the task of pricing prescriptions in the numbers that are now being received will continue to be one of fantastic proportions. Under the present system the size of the overall task will be unmanageable, no matter how the work is reorganised, how much overtime is worked, how many girl pricers are replaced by pharmacists, or how many new offices are opened (to mention only a few of the remedies that have been suggested). To reduce the task to reasonable proportions, a "streamlined" system, with fewer variables and no decimals, must be devised. Meanwhile, the work could be speeded up if some of the pricing "tools" supplied by the

Ministry were to be improved and simplified. For example, it should be possible to produce a pricers' "tariff" chart less confusing to the pricer's eyes. A method is needed, too, of collecting into some readily accessible form the prices of proprietary preparations that must at present be sought from hundreds of different price lists.

Chemists can help both the pricing offices and themselves in the following ways:

(a) By packing their parcels carefully.

(b) By sending claims for rota payments to their Executive Councils and not to the pricing offices.

(c) By ensuring that both forms E.C.34 and E.C.38, completely filled in,

are included in their parcels.

(d) By adding unambiguous notes to any prescriptions that could have been dispensed in more than one way.

(e) By specifying the actual maker of an item supplied when the product of more than one maker could legitimately have been dispensed.

(f) By mailing their scripts promptly

at the beginning of the month.

The problem is, as the N.P.U. circular states, the "worst problem ever." Though they may have shown themselves a little hasty and intolerant, chemists have obviously the right to demand their just dues at the right time. If the existing machine cannot accomplish this result, a newer, higher-powered machine must be substituted. That is what the Contractors' Committee is pledged to secure.

An Alleged Racket

Under the title at the head of this paragraph the secretary of the Pharmaceutical Society (Mr. Hugh N. Linstead) has sent a letter to the editor of the "Lancet." In it he points out that an ingenious journalist, preparing his column for a Sunday newspaper recently, thought up and published a method by which it was suggested that the public could exchange a National Health Service prescription for toilet preparations with a chemist. (The chemist would not dispense it, but would be paid Mr. Linstead, can prove that such a thing has never happened, but the journalist had

given no specific instance. There the matte might have rested had not a Peripateti Correspondent of the "Lancet" given fur ther currency to the fable, thus starting the hare again. Other papers had taker it up, quoting the "Lancet" as authority A letter on the same subject has been sen by Mr. G. A. Mallinson (secretary National Pharmaceutical Union) to the "News of the World," Mr. Mallinson voices the "bitter resentment" chemist feel at the imputations against their in tegrity, points out that any suspicion o conduct such as is alleged should be reported to the Executive Council for the area, and adds that in the absence of such reports the high place in the public esteen which pharmacists have earned should not be besmirched by sensational suggestions.

Among pharmacists the story will be given just the amount of credence it deserves; it may cause a passing smile. Obviously, if any chemist were tempted, ir a misguided moment, to assist in any such practice, there would quickly spring to mind the unpleasant possibility of an inquiry by the Statutory Committee into his fitness to continue as a member of his profession. It is a pity the correspondent of the Sunday newspaper concerned—presumably the Peripatetic Correspondent of the "Lancet" was writing in fun, in the style of the "Running Commentary" of that paper—was unaware that any such

disciplinary body existed.

Chile as a Market

A GOOD market for surgical equipment exists in Chile, but current imports are limited by an acute shortage of foreign exchange. A recently negotiated United Kingdom Payments Agreement under which Chile moves into the Transferable Account Area, should gradually increase her supplies of sterling. In a recent report (Board of Trade, Special Register Service of Information, COM/1182/ID6), the British Commercial Secretary at Santiago considers it unlikely that Chile will be able to produce surgical equipment herself for many years, or to compete in quality. Demand should increase, since a form of compulsory health insurance exists which, though at present imperfect, is steadily improving and expanding.

PRICING ISSUES BEFORE THE CONFERENCE

When the Conference of representatives of Pharmaceutical Committees meets in London on November 24, it will be called upon to make unpleasant but highly important decisions. Two principal issues will be before the delegates. They will be called upon, in the first place, to ratify the action of the Central Contractors' Committee in calling upon the Ministry of Health to substitute averaging as the basis of pricing for October (and, indeed, for the remainder of 1948) instead of the full pricing announced by the Ministry (see C. & D., October 23, p. 522).

What Full Pricing Would Mean

Reasons for that action are set out in a letter from the National Pharmaceutical Union to secretaries of Pharmaceutical Committees on November 5. Full pricing for October would have carried over into 1949 - the estimated terminal dates for two areas were mid-January 1949, two others mid-February, three March, and three the end of April or later. Meanwhile the whole of the pricing (whatever the system) for the intervening months until the completion of October pricing would have had to remain untouched. While the Central Contractors' Committee "dislikes the principle of averaging quite as much as the most vociferous of its critics among the general body of contractors," it felt compelled to propose to the Ministry that full pricing for October should be dropped and payment for the under-5s. group of prescriptions dispensed in October, November and December made on the chemist's own July average for such prescriptions, adjusted in the light of a 2 per cent. full-pricing check in each Bureau area. [Under the Manchester and Lancs No. 2 (Preston) pricing bureaux, which have hitherto priced in full, all October prescriptions would be fully priced, as they have no July "under-5s." averages to November and December "under-5s. net ingredient value" prescriptions would be priced on the chemist's own October average for that class of prescription, adjusted in the light of a 2 per cent. pricing check.] The "5s.-and-over" group would continue to be fully priced in all areas. By the adoption of averaging for the under-5s. group of prescriptions for October, November and December 1948, and transferring pricing work from overloaded bureaux to those with a less heavy load, it was ascertained that pricing of all prescriptions dispensed up to December 31 could be completed throughout England and Wales by early March in thirteen Bureau areas and by early April in the fourteenth.

Future of Pricing

The second matter before the Conference-and one on which their decision is of fundamental importance-concerns the whole future of pricing. The Conference held on September 21 decided that full pricing of prescriptions was the objective to be aimed at, and the Central Contractors' Committee resumed discussions with the Ministry on that basis. The Ministry took the attitude that they could not promise that it would be practicable "in any foreseeable time" to revert to full pricing of all prescriptions. Data supplied by the Ministry satisfied the Committee that detailed pricing in all areas was, in fact, not possible, and could not be so for some time ahead. Discussions therefore proceeded on the basis of a proposal that prescriptions should be divided into those with a net ingredient value of 3s. 6d. and over, which should all be fully priced, and those with a net ingredient value of under 3s. 6d., of which a percentage as near 50 per cent. as possible should be priced in full and the balance paid for on the average value of the priced section. A confidential circular was circulated to Pharmaceutical Committees and the replies favoured acceptance of the proposals for a limited period, and subject to its being understood that all necessary steps would be taken by the Ministry to create a pricing machinery capable of undertaking full pricing of all prescriptions. Departmental estimates showed, however, that even full pricing of 3s. 6d.-and-over prescriptions, and averaging for the remainder, would involve work beyond the capacity of the Pricing Bureaux to undertake. The result would be a further accumulation of arrears.

To enable any system of pricing to work without building up arrears, the number prescriptions to be priced requires to be within the number bureaux can price in a month. Complete reorganisation of the pricing bureaux to achieve this has been urged on the Ministry by the Contractors' Committee in the strongest terms, but is impossible within six months at least.

The Contractors' Committee therefore propose that prescriptions should be sorted

into two groups, as follows:-

(a) Those with a net ingredient cost of 2s. 6d. and over, together with those carrying the special extemporaneous dispensing fees (e.g., sterile preparations, eye drops, eye ointments, bougies, suppositories, cachets). Forms that include several prescriptions, any one of which had a net ingredient value of 2s. 6d. or more, would be included in this bundle.

(b) Prescriptions with a net ingredient

cost below 2s. 6d.

The proposal is that all prescriptions in (a) should be priced in full, and that a minimum of 25 per cent. of the prescriptions in (b) should be priced in full each month for each contractor, the unpriced section being paid for on the average value per prescription of the priced section.

Dispensing Fees

The pricing would be carried out according to the scale in the table alongside.

It is estimated that under the scheme between 35 per cent. and 40 per cent. of all prescriptions in England and Wales would have to be There is no priced. certainty that that amount of pricing could be carried out in a month, but the Contractors' Committee is not prepared to sponsor any scheme providing for a lower proportion of pricing. It is satisfied, after taking expert advice, that on a minimum 25 per cent, pricing of the "under-2s. 6d." group, the variation from what would be given by full pricing is not significant. The minimum 25 per cent. of "under-2s. 6d." prescriptions would be

arrived at by arranging the "under-2s. 6d." prescriptions in four groups in order of date on which they were issued (1st-7th of month, plus prescriptions issued in preceding month; 8th-15th; 16th-23rd; and 24th to end of month). Each of the four bundles would be marked with the number of prescriptions it contained. The pricing bureau would price one of the four groups in full (even if it exceeded 25 per cent, of the whole num-

25 Per centre of the whole man							
MEDICAMENT CLASS	Amount Dispensed or Valued	FEE PER PRESCRIP- TION					
MIXTURES, irrespective of volume of dose.	Up to and including 16 doses 17 to 31 doses 32 doses and over	13d. 16d. 19d.					
TABLETS PILLS CAPSULES PASTILLES AND LOZENGES Non-ex tempor aneous	Up to and including 12 tablets, etc. 13 to 60 inclusive tablets, etc. Over 60 tablets, etc.	9d. 12d. 18d.					
Ointments, Creams and Pastes (a) non-extemporaneous (b) extemporaneous .	(a) Up to and including 1 oz. Over 1 oz. (b) Up to and including 2 oz. Over 2 oz.	9d. 12d. 15d. 18d.					
Lotions, Gargles, Mouthwashes	Up to and including 10 fl. oz. Over 10 fl. oz.	12d. 18d.					
LINIMENTS, APPLICATIONS	Up to and including 10 fl. oz. Over 10 fl. oz.	12d. 18d.					
(a) Proprietary preparations dispensed uncompounded (b) Insulin (c) Penicillin salts (d) Non-extemporaneous ampoules and injections (e) Malt and oil, cataplasma kaolini, liquid paraffin, and oils dispensed uncompounded	Net ingredient value up to and including 10s. Net ingredient value over 10s.	8d. 12d.					
LINCTUSES, SYRUPS, EMULSIONS OF OILS, ETC. EAR, NASAL DROPS, CONFECTIONS, BULK POWDERS, SUPPOSITORIES (non-extemporaneous) UNCLASSIFIED PRESCRIPTIONS	All quantities	12d.					
Appliances (other than those requiring fitting)	Irrespective of value	4d.					
D.D.A. Prescriptions		3d.					
The scale of fees for enecial	proporations sutaments	,					

The scale of fees for special preparations extemporaneously prepared, adopted as part of the terms of service under the N.H.S. Act (see $C \cdot \mathcal{E} D$., June 19, p. 799) are unchanged.

ber), with, if necessary, an additional number from another group to bring the total up to 25 per cent. of the whole. If the "first week" group was taken for a contractor one month, the "second week" group would be taken the next, and so on.

Sharing the Work

Those pricing bureaux which could undertake more than 25 per cent. pricing of the "under-2s. 6d." group would be required to do so or to assist the overloaded bureaux, and the arrangement would be subject to an undertaking from the Ministry that the pricing bureaux would be reorganised so as to increase progressively the percentage to be priced. The scheme, if adopted by the Conference and accepted by the Treasury, could operate for prescriptions dispensed from January 1, 1949. The January 1949 prescriptions (sent in at the beginning of February) would, of course (on account of arrears) be held over until March. On their present working capacity pricing bureaux would, thereafter, slip back a week or more each month. "The Central Contractors' Committee will insist on effective steps being taken forthwith in the bureaux to increase their capacity to handle one month's prescriptions in one month, and as a first step to eliminate as

quickly as possible the initial one month's arrears with which the new system would be faced from the outset." Until the bureaux are pricing a month's prescriptions (or the agreed proportion of them) in a month the Committee insists that the system of "payment on account" shall continue. The Ministry has agreed in principle to relate the payment on account to a contractor's own overall average prescription value. Proposals for bringing this into operation remain to be put forward. "They should mean that a contractor can be sure of getting in the month following dispensing a payment on account of 80 per cent. or more of the priced value of the prescriptions."

The secretary of the N.P.U. points out that there is a risk of confusion from the fact that the October-December scheme is based on a separation of prescriptions at a "5s.-and-over net ingredient value," whereas the "1949-and-after" proposals are based on a "2s, 6d.-and-over net ingredient value" separation. Proposals for a "3s. 6d.-and-over" ingredient value must be regarded as dead. The N.P.U. has warned against confusion between the "under 5s." group of October-December scheme and the "under 2s. 6d." group of the 1949 proposals.

GLASGOW SEMI-JUBILEE DINNER



Society.

gow University).

Guests included Sir Hector Hetherington, K.B.E. (principal, Glas-

MR. LINSTEAD REVIEWS N.H.S.

Paying his first post-war visit to the Southwest London Chemists' Association on November 5, Mr. H. N. Linstead (secretary, Pharmaceutical Society) spoke on the future of pharmacy under the National Health Service. Mrs K Collins was in the chair.

Service. Mrs. K. Collins was in the chair. Since July 5, said Mr. Linstead, three things had become noticeable: a large increase (in some areas more than 100 per cent.) in National Health dispensing, a drop in private dispensing, and a falling off in sales over the counter. He thought that in time private dispensing would dwindle to almost negligible proportions, but sales of proprietary medicines would not suffer extremely unless there was a considerable fall in the purchasing power of the public. In that event the patient might endeavour to obtain through his doctor a proprietary medicine that he had previously bought for himself. If a patient was convinced that only a proprietary medicine would do him good it was probable that nothing but the proprietary would do him good, and a doctor might feel justified in prescribing it. No doubt the Ministry of Health would use its influence to limit such prescribing of proprietaries, but, in insisting on the right to prescribe whatever medicine they considered necessary for their patients, doctors would be fighting on sure ground.

N.H.S. Scripts Copied

Mr. Linstead spoke of an instance that had come to his notice where a pharmacist was having copied in his prescription book every N.H.S. script that was dispensed in his shop. The pharmacist anticipated that, in time, patients would often come to the chemist for repeat mixtures (paying for them in cash) to avoid queueing in a doctor's surgery. Such a scheme might have the goodwill of the doctors as it would reduce the pressure on their surgeries. The chemist must however have full regard to his professional responsibilities. ness of the National Health Service today made the use of a formulary almost inevitable, although a higher standard of prescribing would result if the Service could be run without one. The Society and the British Medical Association had urged that a formulary prepared by the Ministry would always be open to the suspicion that economy, rather than efficacy, had been the criterion for the choice of drugs. With the agreement of the Ministry, the Society and the B.M.A. had prepared a draft formulary which was at present being submitted for criticism to interested parties. It should be published early in 1949, and would have official approval. In the introduction to the new formulary would be an extensive list of proprietaries with suggested therapeutic equivalents, but the wording of the passage advising doctors on the prescribing of proprietaries had been modified from the one published in the present formulary.

Prospects for Proprietaries

If the Ministry were to go too far in the direction of discouraging the prescribing of proprietaries, much harm might be done to the pharmaceutical industry. Many advances in therapy had come from the research laboratories of pharmaceutical manufacturers, and if home sales fell considerably, research staffs would have to be cut. Not only would this deprive the people of Great Britain of the results of research, but the export trade, in which pharmaceutical products had a considerable place, would suffer.

Referring to the shortage of pharmaceutical manpower, Mr. Linstead said there was not an overall shortage, but the peculiar structure of retail pharmacy meant that few pharmacists could spend 100 per cent. of their time on pharmaceutical work. Increasing the total number of pharmacists would not solve the problem. If, say, another 500 were to become qualified each year the result would not be for 500 pharmacists to become available for the existing shops. Instead, perhaps another 300 pharmacies would be opened by co-operative societies and multiples who were ready to expand their businesses with the help of any qualified men that became available. He then went on to repeat his suggestion that increasing use should be made of semiskilled labour. While he did not suggest the setting up of a dispensers' qualification he thought there was room for "more regulation of unqualified labour," in the same way that laboratory technicians had been recognised. Such men could not compete with or replace qualified pharmacists.

Experimental Health Centres

The idea of health centres, which had receded in the early days of the service, was again becoming prominent. London County Council planned to build an experimental centre at Stoke Newington, and other local authorities would no doubt do likewise. To the planners it might well

seem "neat and tidy" to include a dispensary, and although the Minister had promised that no special inducement would be offered to patients to have their prescriptions dispensed at health centres, convenience would present a strong inducement. The shortage of building materials, however, would not allow any rapid development of centres, and retail pharmacists meanwhile had the opportunity to prove that they could provide a comprehensive service. If the retailers were meeting the needs of the public there were strong arguments against the use of public money to provide a duplicate service. The idea should be fostered that all the sections of the health service were really working for the same purpose, and not in competition with each other.

Pricing Problems

The National Pharmaceutical Union Executive had recently passed resolutions demanding, among other things, the pricing in full of all N.H.S. prescriptions. Pressure by chemists might yield results, but there would have to be a revolution in pricing methods. Pricing the number of prescriptions now being dispensed represented a task that was almost beyond human capabilities. The system must be drastically simplified.

Concluding, Mr. Linstead said there was no need for any pharmacist in retail business to be pessimistic about the future. Times of change were times of great opportunity. Pharmacists now had the opportunity to build up businesses, independent of sidelines, of the type that most had

longed for.

Mr. Linstead then answered a number of questions, including the following:—

Could doctors be asked, through their organisations, to indicate on prescriptions the makers of unusual items? It was really the pharmacist's job to know about the manufacturer of pharmaceutical preparations; the doctor had a right to turn to the pharmacist for such information.

While the raising of educational standards was a good thing for those already qualified, was it not unfair on those who had not yet qualified? Educational standards were being raised not to reduce competition or to increase wages, but because it was not possible today to train a fully qualified pharmacist in less than three

years.

Why should educational standards be raised at a time when dispensing consisted less and less of intricate manipulation and

more and more of handing out ready-made specialities? Dispensing was only a part of a pharmacist's work. His real job was to know all about the materials he handled and, to an increasing extent, to advise the doctor about them

doctor about them.

Would there be refresher courses under the Act? A course on the British Pharmacopœia was running in London at present, and it was hoped eventually to hold refresher courses in convenient centres throughout the country. The Minister had power, under the Act, to pay for the post-graduate training of pharmacists and members of other professions. Courses would never be compulsory.

Would the "abominable concoctions" called children's mixtures be improved upon in the new formulary? The N.W.F. children's mixtures were admittedly a makeshift at a time when sugar, etc., was now improved. All mixtures in the new formulary would be "pharmaceutically

elegant."

Was it legal, or ethical, for a chemist to issue repeats of N.H.S. scripts on payment by the patient? The giving of such repeats would probably not constitute a breach of the chemist's contract. Where there was any reason to believe that a prescription should not be repeated until a patient had again been seen by his doctor, a chemist should obviously not dispense a repeat. When a chemist was satisfied that the prescriber did not object, repeating an N.H.S. prescription was probably no more undesirable than repeating a private prescription.

Advertising by Chemists

What forms of advertising of dispensing by chemists were considered unethical? Objection was taken to all advertising appearing anywhere except on the premises where the dispensing was carried out. Advertising on a chemist's own premises should not imply any suggestion that one pharmacist's dispensing was better than another's. Mr. Linstead added that all those whom it had been necessary to approach on the question of undesirable advertising were now conforming to the code.

Playing for Safety. — After grandma died, relatives who were sorting out the vast collection of bottles in her medicine chest were surprised to come across some small white tablets neatly labelled on the bottle, "Might be aspirin." — John Bouverie in the "News Chronicle."

B.P., 1948, PHARMACEUTICAL PREPARATIONS

A review by Mr. R. R. Bennett, Ph.C., of all pharmaceutical preparations of the new pharmacopæia except injections and tablets

The second lecture in a weekly series organised by the Pharmaceutical Society to enable members to acquaint themselves with the changes brought about by publication of the British Pharmacopæia, 1948, again attracted so large an audience that many had to be content to hear it through an amplifier at an overflow meeting. Mr. R. R. Bennett, the expert lecturer, was introduced by Mrs. J. K. Irvine (a member of Council). He dealt with the pharmaceutical preparations, excluding injections and tablets, reviewing them by classes. Brief notes on his discourse are given below:—

Extracts, Liquid Extracts and Tinctures

There are twenty-eight extracts and liquid extracts, and twenty-eight tinctures in the 1948 pharmacopæia. Of the eight dry extracts I will deal particularly with three: those of cascara sagrada, krameria and hamamelis. The first two were the subject of a paper read at the British Pharmaceutical Conference, Brighton, 1948. The authors recalled that, in the past, commercial samples of the dry extracts of cascara and krameria had been liable to contain an unduly high proportion of water-insoluble matter that might be relatively inert. The B.P. now imposes a limit of not less than 80 per cent. of water-soluble extractive in each extract-a proportion the authors of the Brighton Conference paper found was near the maximum that can be obtained for krameria in commercial practice. The Sixth Addendum to the B.P., 1932, sanctioned the use, as a war-time measure, of dry extract of cascara prepared according to the directions in the U.S.P. (i.e., by maceration and percolation of the bark with boiling water, evaporating to dryness, and standardising the residue with starch). The B.P. directs the bark to be exhausted by percolation with cold water, followed by evaporation of the liquor under reduced pressure and granulation of the product, with addition of starch or other diluent; about 200 gm. of the extract is obtained from 1,000 gm. of bark; and the B.P. extract is more active than that of the U.S.P. Dry extract of hamamelis is included in the pharmacopæia for the first time. To make it, powdered hamamelis leaf is exhausted by percolation with 45 per cent. alcohol, the alcohol removed, the residual liquid evaporated to dryness, and the residue reduced to a fine

powder. The product is a dark chocolate-brown powder (the extract of hamamelis of the British Pharmaceutical Codex is extracted with 90 per cent. alcohol and is dark green). The name "hamamelin" is not a synonym for the B.P. extract. As the B.P. extract is used for making "suppositories of hamamelis" and "suppositories of hamamelis and zinc oxide" (official for the first time), inquiries are likely from patients who have been accustomed to receive dark green hamamelis suppositories.

The Fifth Addendum to the B.P., 1932, authorised the use of a mixture of malted barley with not more than 33 per cent. of malted wheat in preparing extract of malt. The sanction to use a proportion of malted wheat has been repeated in the 1948 pharmacopæia, and the monograph now includes an assay for diastatic value. The presence of diastase does not affect the nutritive value of pharmaceutical extract of malt, and it gives no indication of quality or adulteration. In the near future the test for diastatic value may be officially deleted.

The Seventh Addendum sanction to use a liquid extract of belladonna herb lapses automatically. Root from either Atropa Belladonna or from Indian belladonna, or any mixture of the two species, may be used, but the liquid extract must still contain 0.75 per cent. of alkaloids. Doses have been omitted in the expectation that tincture of belladonna (made from belladonna herb) will be usually prescribed for oral administration. The liquid extract of colchicum corm introduced into the Seventh Addendum because of an acute war-time shortage of the seed is no longer official. Liquid extract of ipecacuanha is directed to be made by percolating ipecacuanha in fine powder with 80 per cent. (instead of 90 per cent.) alcohol. The weaker menstruum facilitates extraction. The monograph for ipecacuanha now gives official status to Cartagena, Nicaragua or Panama varieties (supplies of Rio or Brazilian now seldom reach Britain). The admission of varieties other than Rio occasions no change in the minimum content of total alkaloids, but the requirement that the total should contain a proportion of non-phenolic alkaloids has been omitted. The formula for liquid extract of senna now includes oil of coriander; the new product is more palatable, and syrup of senna may now be made simply by

mixing one part by volume of the liquid extract with three parts by volume of syrup.

The eleven concentrated tinctures of the Fifth Addendum (a war-time introduction to economise alcohol) are no longer official. The omission of glycerin is also no longer permissible. The methods for preparing tinctures follow the familiar general principles. Four of the alkaloidal tinctures, (colchicum, hyoscyamus, nux vomica and stramonium) and tincture of senega are prepared by dilution of the official liquid Tincture of capsicum must now extract. comply with a pungency test. Cardamom seed used for the preparation of the compound tinctures cardamom, gentian and rhubarb must be freshly removed from the fruit, and powdered or bruised immediately before use. The B.P., 1932, monograph on "Cardamomum" is replaced by a monograph on "Cardamomi Fructus." whole fruit now constitutes the official drug. Cardamom seed, after removal from the fruit, must not be stored. For the first time the seeds are required to contain not less than 4 per cent. of volatile oil. The Indian varieties of squill and valerian are no longer Only the Cape and Curação varieties of aloes are official. The new tinct. benz. co., made from either, is likely to be lighter than one made from the previously official Socotrine aloes. Sumatra benzoin is to be used in making tinct, benz, co., but the scarce and more costly Siam benzoin (which is now official) must be used in making benzoinated lard, for which it is superior to Sumatra in protecting against rancidity.

There are monographs for seven concentrated infusions and seven "infusions" made by diluting the concentrated preparation with water. In making concentrated compound infusion of gentian, fresh lemon peel is replaced by half the quantity of dried peel. Only two monographs for fresh infusions (calumba and quassia) are re-tained; both are made with cold water. When "infusion of calumba" is prescribed, either the fresh infusion or the concentrated infusion suitably diluted, may be dispensed.

Ointments

The Pharmacopæia contains two groups of ointments, the unguenta and the oculenta, with two official penicillin creams. In revising the formulas, consideration has been given to the selection of correct bases for the official preparations, and to providing suitable plain ointment bases for the dispensing of medicaments. Substantial changes were made in the formulas for the

official ointments by means of the Addenda to the B.P., 1932. Some of the Addenda formulas are retained; others have been improved. "It seems fair to say that the present pharmacopæia provides dermatologists with a number of satisfactory ointments for general use, and with a good range of bases of different types to which can be added the particular medicaments that are required." Wool alcohols (Alcoholia lanæ), first official in the Sixth Addendum, are prepared by saponifying the grease obtained from sheep's wool and separating the fraction containing cholesterol and other alcohols. The product is a golden-brown, wax-like solid containing not less than 28 per cent. cholesterol, and is excellent for making water-in-oil emulsions. The official ointment of wool alcohols (unguentum alcoholium lanæ) is made by mixing six parts of wool alcohols with ninety-four parts of a mixture of hard, soft and liquid paraffins. The proportions of the paraffins may be varied and the liquid paraffin be substituted wholly or partly by light liquid paraffin to produce an ointment base of suitable consistency. The anhydrous ointment is the official base for ointments of salicylic acid and of penicillin. The official hydrous ointment (unguentum aquosum), is a mixture of equal parts of ointment of wool alcohols and distilled water. It is used as a base for three of the official ointments (oleated mercury, mercurous chloride and hydrous zinc oxide).

Emulsifying Wax

Emulsifying wax is a mixture of some of the higher fatty alcohols and the sodium alkyl sulphates derived from these alcohols. It is made by mixing cetostearyl alcohol with sodium lauryl sulphate. Cetostearyl alcohol is a mixture of higher fatty alcohols derived from the higher fatty acids obtained by "splitting" various oils. Sodium lauryl sulphate is a mixture of various sodium normal primary alkyl sulphates. The pharmacopœial test excludes commercial varieties containing more than 10 per cent. of sodium chloride and sodium sulphate, taken together. The pharmacopæial product is made by heating ninety parts cetostearyl alcohol to about 90°C., adding ten parts sodium lauryl sulphate, mixing, and adding four parts distilled water. After the addition of the water the mixture is heated to 115°C. and heating is continued at 115°C., with vigorous stirring until frothing ceases. The water assists combination, but is volatilised during the heating. (To be concluded)

MANCHESTER SPEECH DAY

Speech day at the pharmacy department of Manchester University was held on October 20, the president of the Manchester Pharmaceutical Association (Mr. E.

Cronin) in the chair.

PROFESSOR H. BRINDLE, reporting on the 1947-48 session, said there had been 119 full-time students. Of these, forty-nine had been for the B.Sc. (Pharm.) course, one for the M.Sc., and two for the Ph.D. Eighty medical students had attended a course on prescription writing and dispensing. The department had been unable to accomodate all eligible applicants for the Chemist and Druggist and Pharmaceutical Chemist courses, and there had been seventy-two applications for twenty-five available places for the B.Sc. course. For the new session there were over eighty applicants, nearly all with the Higher Schools Certificate. Evidently there would be no difficulty if the policy were adopted, in filling the school with degree students. With a compulsory two-year post-graduate course for the minimum qualification, a change in policy would probably have to be considered. The pharmacy degree was fast becoming the normal qualification, and the student who wished to specialise would have to consider something beyond.

Honours Degrees

There had been an encouraging increase in the number of students engaged in postgraduate research, but two important limiting factors were lack of accomodation, and the fact that, after their period of service in the Forces, most male students of pharmacy found the urge to take up research less keen. During the session two students had added an honours degree in physiology to their pharmacy degrees. Miss W. Keepe had gained the research M.Sc. degree, Mr. J. H. Lightbown had taken a diploma in bacteriology and Mr. C. Melville had graduated as Ph.D.

Owing to factors limiting post-graduate research, it had not been possible to award any of the available research scholarships. At the previous meeting of the Senate, regulations governing the award of an Allen & Hanburys fellowship (value £250, to be awarded annually when there was a suitable applicant) had been approved. Professor Brindle thanked Mr. Cronin for valuable aid in negotiations. The fellowship was to encourage advanced post-graduate research in the University, usually up to Ph.D. standard, in pharmacy and pharma-

Miss W. Keepe, who had been awarded the Wellcome pharmaceutical research fellowship (value £350 per annum), was conducting research on the bacterial flora of oils.

Departmental Researches

Research had been carried on in the department on such subjects as enzyme systems and their relationship to drugs, particularly local anæsthetics; synthesis of possible local anæsthetics; assay of certain enzymes; chemical and biological assays of ergot and digitalis; and diagnostic characters of drugs such as belladonna and ipecacuanha. A paper had been read by D. K. Bullock at the Brighton British Pharmaceutical Conference. Much of the research work involved animal experiments and, thanks to Professor Macdonald, there had been close collaboration between pharmacological and pharmaceutical workers. Professor Brindle concluded by congratu-Professor Macdonald on appointment as a member of the British Pharmacopæia Commission. The following prizes were then distributed by Councillor F. D. Gee, M.P.S. (mayor of Sale):-

Councillor F. D. Gee prize (books value £4 4s.), Mr. George Shaw.

J. Woolley Sons & Co., Ltd. prize (value

£3 3s.), Mr. R. G. Baker.

Hough, Hoseason & Co., Ltd. prize (value £3 3s.), Mr. H. N. Bray. Allen & Hanburys, Ltd. prize (value

£3 3s.), Mr. Louis Morris.

Association president's prize (value £2 2s.) Mr. Gwilym Jones.

T. Kerfoot & Co., Ltd. prize (value

£2 2s.), Mr. S. F. Nain.

Manchester Pharmaceutical Association prize (value £2 2s.), shared by Miss Irene Cumming and Mr. John Armstrong.

Branch Chairman's prize (value £2 2s.),

Mr. R. G. Baker.

E. Griffiths Hughes, Ltd. prize (value £2 28.). Mr. R. G. Baker.

Pharmaceutical Society's Codex prize Miss Elizabeth Fenton.

COUNCILLOR GEE, after congratulating the winners, said it had always seemed to him extraordinary that pharmacists, with their highly specialised and technical training, should be classed on a lower salary scale than administrative clerks.

Mr. E. Cronin (president) spoke on how a student could get the best out of the years he spent at the University.

CORRESPONDENCE

Correspondents may adopt an assumed name for publication but must furnish their real name and address to the Editor

Payment of Chemists' Accounts

SIR,—Until we read the letter from "South-eastern Pharmacist" in the C. & D. (October 30, p. 583), we considered that Midland pharmacists were the only ones with such outstanding balances of payments due. Arising out of this position and having in mind the fact that the bureaucrats are in power, there is one question that we should like to ask the contractors as a whole. That is, have they considered the political aspect of this continued delay in payment and the results if the drain on chemist resources causes a breakdown in the Service?

Bilston, Staffs.

T. SHELLEY.

Pricing Prescriptions

SIR,—" Pro Bono Publico," in his letter on arrears of pricing (C. & D., November 6, p. 615), evidently writes in ignorance, and I would suggest that he pays a visit to the bureau which is pricing his prescriptions. He might then change his opinion regarding chemists' valuers' ability to price scripts in much less time than the staffs of the pricing offices. If pharmacist contractors would help bureaux rather than hinder them, by annotating on the prescription what has been supplied or dispensed for prescriptions which may have given them trouble and thought, the bureaux would better be able to get their work done. Chemists' valuers and wholesale houses would not attempt to price some of the ridiculous scripts rendered by some chemists. For example, how would one price, say, an ointment with ingredients totalling 10 drachms, and base ad 1 oz., "mitte 4 oz.," or lin. alb., 8 oz., cotton wool, 8 oz. (is white lint or white liniment required?—my guess is white lint (linteum)). I may be wrong, but the chemist who dispensed the script should know, or else not supply anything. He can easily question the patient, or even the doctor. The bureau could price, possibly, fifty straightforward scripts during the time required to decide what to price in such a case. Prescription pricing is not so easy as Mr. Speed's recent article would lead one to think, and no chemists' valuer or wholesaler could or would turn out 2,000 prescriptions per pricer per day, priced with a negligible error, as is done in Manchester and Salford, where the majority of chemists help the bureau, and where payments have always been kept up-to-date on prescriptions that are as good (or as bad) as in any other part of the country. My experience is that, to price properly, at least nine months is required for training, and if, by some unfortunate happening such as a "blitz," a bureau gets behind, it is extremely difficult to catch up. Even chemists' assistants, who can read scripts, take some time to learn to price.

Monton, Lancs. H. HAWORTH, M.P.S.

Capital by Saving

SIR,—"Scottish Chemist," in your issue of November 6 (p. 615), complains of the encroachment of multiples and "co-ops" in pharmacy and appeals to young pharmacists to "look to the future" and refuse to accept service with them. To have a business of his own a pharmacist needs capital. Surely the quickest way to acquire some by saving would be to accept one of the positions for which "Scottish Chemist" says "fantastic salaries" are offered. By any other way the young pharmacist may find that he has become an old pharmacist before being able to go into business on his own account—unless private pharmacists, as well as "co-ops," etc., are prepared to pay "fantastic salaries."

Manager.

SIR,—"Scottish Chemist" raises a very formidable problem. Most pharmacists of the 28-40 age group are now settled again after a spell of some 4-7 years in the Forces and would like the chance of a partnership or business of their own. What chances have they? War service has set them back financially. The vast majority are married and require accommodation, and the wages offered at the moment do not allow the accumulation of much (if any) capital. What do our elder brother pharmacists offer? Seldom do we see a partnership advertised, though there are many, many complaints of elderly men trying to do a heavy day's work without adequate assistance. I myself have advertised and received no reply to some. No, I'm afraid most such chemists prefer to sell out to multiples rather than help other younger pharmacists along—either that or to "die in harness"—and then, naturally, the estate goes to the highest bidder-again usually a multiple. Ex-Service Pharmacist,

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Nov. 10

Demand has been brisk in most sections of the Pharmaceutical and Fine Chemicals markets and a fair volume of new business has been placed during the week. Prices, generally, are unchanged. There has been a temporary easing of supplies of BISMUTH METAL and makers will be in a position in the near future to offer BISMUTH SALTS more freely. An increase in the export trade in these products is expected as a result of the more favourable supply posi-Potassium permanganate was recently removed from the list of miscellaneous chemicals for which a Board of Trade permit is required to obtain supplies (see p. 622). Home-trade inquiry for this product has greatly increased since the relaxation of administrative control. It is understood, however, that, although plant is working to capacity, it is not yet pos-sible to satisfy all home and export requirements.

Activity in the Botanical Drugs markets has again been on a limited scale. Ergot has received a good inquiry but the spot supply position is no better and no offers have been made from Portugal. Prices of Cardamoms in India remain well above Mincing Lane's ideas of value, but reports of a short crop, and that Sweden is interested, may induce importers to change their minds and buy at the inflated prices. Rhubarb has attracted inquiries; spot stocks of Chinese rough round are now much depleted and good material is diffi-cult to find. There is no news of offers of French Gentian rhubarb from China. ROOT is quoted at higher prices at origin and material to come forward is at about 67s. to 67s. 6d. per lb., landed.

Essential oils continue to be quiet and prices are little changed on the week. Bourbon GERANIUM and PATCHOULI OILS forward are firm markets. A number of oils have been removed from the scheme of distribution of the Essential Oils control, including CEDARWOOD, Zanzibar CLOVE (bud and stem) and Madagascar clove leaf, Australian and Mysore Sandalwood, and SHIU (HO) oils, GRAPEFRUIT and SWEET ORANGE oils are also decontrolled except for supplies from hard-currency countries.

U.S. Drug and Chemical Report New York, November 5

REFINED GLYCERIN is reported to be moving into consuming channels at an exceptionally high rate despite recent reports that large quantities were expected to be put on the market in the near future. It now appears that these reports were premature and that little synthetic material will be offered for another month at least. A sharp advance in the price of RHUBARB

ROOT featured the CRUDE DRUGS market this week; whole root was marked up from 48 cents per lb. to 65 cents on the inside, while the powdered material was increased 21 cents per lb. to 75 cents per lb. The advance was attributed to reports that no further stocks were available in the primary centre and to the higher shipping prices named recently. While buying activity in the market continues on a hand-to-mouth basis, several items are in a strong position, including Ergot, Cascara SAGRADA, CALUMBA and PODOPHYLLUM Hydrastis (EMODI). and senega roots which normally enjoy a substantial export demand are meeting with very little inquiry at the present time. CANDELILLA CANDELILLA WAX prices were advanced during the week as a result of a lack of offerings from Mexico; the crude material was increased from $62\frac{1}{2}$ cents per lb. on the inside to 67 cents.

Purchasers on the Essential Oils market continue generally to confine their activities to immediate requirements and the downward price trend has been maintained. Anise oil, however, was advanced 10 cents per lb. to 90 cents per lb., and Bourbon Geranium was increased by one dollar to \$9 per lb. A more active inquiry for Aromatic Chemicals is reported for Aromatic Chemicals is reported although most buyers are displaying cau-tion in view of the uncertain future price situation. Price reductions have been reported in some of the Aldehydes.

Pharmaceutical Chemicals

ACETANILIDE.—Steady. Quotations for 1-cwt, lots in kegs are at 2s. 3d. per lb. for crystals and 2s. 4d. for powder.

Aspirin.—In good demand. Home-trade prices are unchanged. Makers' quotation for Powder is 3s. 5½d. per lb. in 10-cwt. for POWDER is 3s. 5\frac{1}{2}d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers): 4s. 5d. (2-lb.): 4s. 4\frac{1}{2}d. (7-lb.): 4s. 3\frac{1}{2}d. (14-lb.): 4s. 2d. (28-lb.). Net one month. Rates per 1,000 for bulk supplies of TABLETS are: Lyder 5,000 and over Under 5,000. 3s. 9d.; 5,000 and over, 3s 7d.; 10.000, 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100.000, 3s. 2d.; 250,000, 3s. $1\frac{1}{2}$ d.; 500,000, 3s. 1d.; 1,000,000, 3s.

BISMUTH SALTS.—Steady. Møkers' rates per lb. for 1-cwt. lots are: Carbonate. 14s. 7d.; Citrate. 12s. 3d.; Subnitrate, Salicylate, 12s. 6l.; Subgallate, 15s. 6d.

Bromides.—Steady. Current resellers' rates per lb. for Potassium in quantities of 28 lb. to 1 cwt. (containers in brackets) are as follows: 3s. 5½d. (1-lb.). 3s. 4½d. (2-lb.). 3s. 4d. (4-lb.), 3s. 3d. (7-lb.). 3s. 2½d. (14-lb.). 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and

5 cwt. at 2s. 6d. Powder is 2d. per lb. between the state of the state than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

HYDRATE. — Current BUTYL CHLORAL prices are from 17s. 6d. per lb. upwards.

GLYCERIN B.P. - Prices are Current rates per cwt. are as follows:-

Contracts or spot lots of	Under r cwt.	i cwt. and under 2½ cwts.	and under 5 cwt.	5 cwt. and under 10 cwt.	and under 20 cwt.
Minimum deliveries off contract of	_	ı cwt.	ı cwt.	ı cwt.	2 cwt.
Tins:	s. d.	s. d.	s. d.	s. d.	s. d.
14-lb	156 6	152 0	151 0	148 0	147 0
28-lb	153 6	149 6	148 6	145 6	144 6
56-lb	150 6	147 0	146 0	143 0	142 0
Drums:	-5		•		-
I-cwt.		136 o	135 0	132 0	131 0
21-cwt	-	_	133 0	130 0	129 0
5-cwt.	-	_	_	129 6	128 6
10-cwt	_		-	_	128 0
	l.			1	I.

1 ton and under 5 tons (minimum deliveries off contract of 5 cwt.), 14-lb. tins, 143s.; 28-lb., 140s. 6d.; 56-lb., 138s., 1-cwt. drums, 127s.; 23-cwt., 125s.; 5-cwt., 124s. 6d.; 10-cwt., 124s. 5 ton and upwards (minimum deliveries off contract of 10-cwt.), 14-lb. tins, 141s. 6d.; 28-lb., 139s.; 56-lb., 136s, 6d.; 1-cwt. drums, 125s, 6d.; 2½-cwt., 123s, 6d.; 5-cwt., 123s.; 10-cwt., 122s, 6d. Extra charges are levied for smaller deliveries, ex contract, from 6d. to 2s. per cwt., according to quantity. fined pale straw industrial glycerin is 5s. per cwt. less than chemically pure. Terms: Carriage and delivery paid. A discount of 2½ per cent. is deducted if paid in one month, or on buyers' regular monthly pay day in the month following delivery; afterwards net. Tins and cases free (not returnable). Drums loaned and invoiced at sellers' current rates and credited in full if returned within four months, carriage forward and in good condition.

GLYCEROPHOSPHATES. — Makers' list prices per lb. are as follows: Calcium soluble, 10s. 6d.; Iron scale, 11s. 9d.; ACID, 20 per cent. (B.P.C.) Ss. 3d.; MAGNESIUM (INSOLUBLE), 10s.; MAGNESIUM (SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; POTASSIUM, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; Sodium, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb., 6d. per lb. less than above rates; other quantities in proportion.

HYDROCYANIC ACID.—B.P.C. (Scheele's) is quoted at 1s. $5\frac{1}{2}$ d. per lb. and B.P. at

1s. $1\frac{1}{2}$ d. per lb.

Hypophosphites.—Makers' rates per lb. for 7-lb. lots are: Ammonium, 9s. 3d.; Barium, 6s. 3d.; Calcium, 4s. 11d.; Iron, 9s. 4d.; Magnesium, 7s. 9d.; Manganese, 8s. 5d.; Potassium, 6s. 1d.; Sodium, 5s. 7d. HYPOPHOSPHOROUS ACID in quantities of 6 Winchester quarts is 6s. 2d. per lb.

IODINE PREPARATIONS.—Makers' per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s, 1d. Sodium Iodide, B.P.—28 lb., 12s, 1d. Iodoform, B.P.—28 lb., powder, 15s, 7d.; crystals, 17s, 7d. Resublimed Iodine, B.P.—1 cwt., 12s, 8d. Orders of 28 lb., and unwards may be seen to see the control of the and upwards may be made up with assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt. in one delivery, or on contract for delivery within three months.

Lactates.—Current quotations are as follows: Calcium, 2s. $2\frac{1}{2}$ d. to 2s. $10\frac{1}{2}$ d.; Calcium sodium, 3s. 3d. to 3s. 11d.

Lactose.—Quotations are from £120 per ton upwards, according to quantity.

Magnesium hydroxide, B.P.C.—Makers' price for 1-cwt. lots is 2s. 11d. per lb.

Magnesium oxide (B.P. Levis).—Prices for the home trade (per lb.) are as follows: Containers in brackets, 28 lb, to 1 ewt., 3s. 5d. (1-lb.); 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); 3s. 1d. (28-lb.) per lb. Larger quantities range from 2s. 4½d. to 2s. 61. per lb. in 28-lb. packages as to quantity committees as the countries of the contribution of the countries of the 28-lb. packages, as to quantity, carriage paid.

Mandelic acid.—Steady. Current prices are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.: 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt., in demijohns or carboys, 2s. $0\frac{1}{2}$ d.; 5 cwt., 2s. Ali prices are net.

Metol.—Prices for quantities: 10-cwt., 19s.; 5-cwt., 19s. 6d.; 1-cwt., 20s.; 28-lb., 21s.; 14-lb., 23s.; 7-lb., 24s. per lb. Carriage paid in the United Kingdom.

Resorcin.—Current prices are at from 10s. 6d. to 12s. 6d. per lb., according to quantity.

Phenolphthalein.—Makers' prices from November 1 are: 1-cwt. lots, 6s. 10d.; 28-lb., 7s.; 14-lb., 7s. 3d. per lb.

SODIUM p-AMINOSALICYLATE. — This product may now be obtained at £32 10s, per

Stearates.—Current rates per cwt. in 1-cwt. lots are as follows: Aluminium, 235s. 6d.; Calcium, 217s. 6d.; Magnesium, 237s. 6d.; Lead, 240s. 6d.; Zinc, 222s. 6d. 5-cwt. lots are 2s. 64. per cwt. less and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in U.K.; packing free.

TANNIC ACID. - Moderate supplies reported. B.P. levis is from Ss. 9d. per lb.; ether soluble, from 9s. per lb.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota,

Crude Drugs

ACONITE.—Steady. Indian on spot is quoted at 300s. per cwt.; Napellus, offered at 3s. 10½d. to 4s. 3d., duty paid.

AGAR. — Steady. Japanese strip is offered at 16s. to 18s. per lb., duty paid, according to quality and holder; forward, 14s. to 15s., c.i.f. South African powder, in tins in cases, quoted at 20s. per lb., spot.

Aloes.—Cape on the spot is easier at from 107s, 6d, to 115s., as to quality and seller. Curação in boxes, 200s, to 220s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

Balsams.—Canada on spot is offered from 18s, 6d, to 19s, 6d, per lb. Pará Copaiba (soluble), 4s, 9d, to 5s, per lb. spot. San Salvador, Peru, is quoted at from 5s, to 5s, 3d, per lb., duty paid. Tolu is easier at 15s, per lb., spot.

Belladonna.—Yugoslav root is quoted at from 4s. 6d. to 4s. 9d. per lb. duty paid, as to test; English leaves are offering at from 4s. 9d. (0.546 per cent.) per lb.

BENZOIN.—Steady. Sumatra block on the spot is from £14 to £16 per cwt., as to quality; Sumatra almonds, £55 per cwt. Siam free almonds, spot, £120 per cwt.

BISMUTH.—Quotations for metal are at 10s. 9d. per lb. for minimum 5-cwt. lots.

CAMPHOR.—Steady. Chinese tablets are offered at from 8s, 6d, to 9s, 61,; refined powder (B.P.), 7s, to 7s, 6d,; B.B. grade, 6s, 9d,; slabs (2½-lb.) from 7s, 3d.; crude powder, 6s. per lb., all spot London, duty paid.

CANTHARIDES. — Spot quotations Chinese are at about 8s. 3d. per lb.; shipment, 4s. 6d., c.i.f.

Cascara sagrada.—1947 peel on spot is offering at from 200s, to 210s, per cwt.; 1946, 240s. New-crop is quoted at 195s. per cwt., duty paid, ex wharf.

Cassia pods (C. fistula).—Prices of East Indian are around 65s, per cwt., ex wharf.

CHAMOMILE FLOWERS.—Steady. Belgian on spot are quoted at 4s. 3d. per lb.

CHAULMOOGRA.—Hydnocarpus on spot is quoted at 1s. 9d. per lb.

CHILLIES.—Mombasa on spot, 110s, per cwt.; forward firm at 105s., c.i.f. Nigerian, spot, 85s. per cwt.

CINNAMON.—A steady market. Spot quotations for 0000 are at from 2s. 9d. per lb.; quillings are offered at 1s. 4d., featherings at 1s. 3d, and chips at 5d, per lb. 0000, to arrive, 2s. 13d., c.i.f.

Ephedra.—Herb is offered at around 62s. 6d. to 67s. 6d. per cwt., ex wharf.

Ergot.—Firm. The supply remains difficult with an absence of offers from origin; spot, 5s. 6d. to 5s. 9d. per lb., nominal.

Galls.—Steady. Persian blues quoted on spot at 260s. per cwt.

GAMBOGE.—Siam pipe on the spot is offered at £50 per cwt., duty paid.

GENTIAN.—Firm. French natural on spot is quoted at from 60s. per cwt., with higher prices up to 67s. 6d. for supplies to come forward; sliced root is offered at 75s.,

GUM ACACIA.—A moderate spot business done. Kordofan cleaned sorts, 66s. per cwt., ex store. London; shipment, October-November, 60s. 6d., c.i.f., for old-crop gum; new-crop, January-February shipment, 60s. 6d., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. Talha, 45s. ex warehouse; shipment, 40s. 6d. per lb., c.i.f.

Henna.—Sudanese leaves on the spot are offering at prices from 85s. per cwt. Indian is available at about 85s, per cwt., but there is a seller at a lower price;

powdered leaf, 1s. 5d. per lb.

IPECACUANHA. — Nicaraguan on spot is quoted at 22s. 6d. per lb. Shipment, first-hand sellers offer January-February from 18s., c.i.f.; November-December resellers are quoting 19s., c.i.f.

JALAP.—Vera Cruz, spot, 2s. 6d. to 3s. per lb. as to test (10 to 15 per cent, resin). Brazilian (13 per cent.), 1s. 6d.

Kamala.—Steady. Spot quotations are around 2s. 6d. per lb.

Kino.—A parcel of Indian gum is offered at 7s. 6d. per lb., spot London.

LIQUORICE.—Anatolian natural, spot, from 47s. to 49s. per cwt., as to holder; Syrian, 37s. 6d. to 40s.; Russian, 45s. to 46s. Italian block 275s. per cwt., spot; Italian stick, from £375 to £560 per ton, as to quantity and grade. Turkish block, from 225s. per cwt.; American block, 160s. per

Menthol.—Steady. Brazil on spot is offered at from 45s. per lb., duty paid; in bond, 43s.; forward 45s. 6d., c.i.f.

OLIBANUM.—Fair drop is offered at 150s., peas at 190s., fair garblings, 125s., and siftings at 80s. per cwt., spot.

Orange Peel.—Spanish quarters, 1s. 2d. to 1s. 5d., spot; sweet ribbon, 1s. 9d. Seville bitter ribbon, 1s. 1d.; thin-cut Tripoli, 1s. 2d. per lb.

Papain.—Spot. East African No. 1 white is offering at about 19s. to 21s. per lb. and Ceylon at about 16s, to 17s, per lb., as to seller.

Podophyllum.—Steady. American (pcl-tatum), spot London, 280s. per cwt. Indian (emo 'i), from 315s. to 320s., spot; forward, 290s. per cwt., c.i.f.

PSYLLIUM SEED.—French black is quoted at 2s. per lb., duty paid; Indian (isphagula), 120s. per cwt., spot.

Quassia.—Spot quotations for chips are

35s. to 36s. per cwt., as to holder.

QUILLAIA.—Natural bark is offering at 92s. 6d. per cwt., spot: cut is offered at 125s., and crushed at 120s.

Quince seeds.—Cape on spot is quoted from 4s. 3d. to 5s. per lb.

RHATANY.—Market remains dull. Spot steady at 9d. per lb.

RHUBARB.—Spot prices of Chinese roughround are from 4s. to 4s. 9d. per lb., according to fracture; wormy, 2s. 6d. to 3s. Indian rhapontic is offered at 1s. per lb.; French, 1s. 6d.

SARSAPARILLA.—Steady, Jamaican native red is quoted at from 2s. 1d. to 2s. 2d. per

lb., spot; grey. 4s. 3d., spot.

SCAMMONY.—Root (15.8 per cent. resin) on spot is quoted at 65s. per cwt.

SEEDS.—Prices of ANISE are unchanged-Cyprus is quoted at 1s, 5d, per lb.; Turkish, 1s. 4½d, per lb., duty paid, both spot London. CARAWAY.—Dutch remain firm at London. Carawat.—Dutch remain in the 120s. per cwt., duty paid, spot London. Celery.—No interest shown. Indian, 1s. 2d. per lb., spot London or Liverpool. Coriander.—Market is unchanged. Argential tine, 40s. per cwt., duty paid, spot London or Liverpool; Morocco quoted at 40s. to 41s. per cwt., duty paid, spot London only. Cumin.—Demand is poor. Indian, 185s. per cwt., spot Liverpool; Cyprus, lying in London, quoted at 195s, per cwt.; Polish, quoted at 165s. per cwt., spot London. DILL.—Indian remains firm at 47s. 6d. per cwt., spot London or Liverpool. FENNEL,—Indian quiet at 72s. 6d. per cwt., spot London, and 71s. 6d. per cwt., spot Liverpool. FENUGREEK.—Market remains firm. Indian, 55s. per cwt., spot London or Liverpool; Morocco is quoted at 55s. per

cwt., duty paid ex wharf London or Liver-SENEGA.—A dull market. Spot quotations are around 9s. 6d. per lb.; forward,

8s. 9d. to 9s., c.i.f.

pool.

Senna.—Steady. Tinnevelly leaves, spot, No. 1, 9d, to 1s. per lb.; No. 2, $7\frac{1}{2}d$, to 8d.; No. 3, 5d, to $5\frac{1}{2}d$.; Tinnevelly pods, handpicked, 9d. to 1s. 41.; manufacturing 4½d. to 51d. Alexandrian pods, hand-picked, spot, from 4s. 9d. to 5s. 9d., according to quality and seller; medium 2s. 9d.; manufacturing, from 1s. to 1s. 9d. per lb.; Alexandrian leaves, f.a.g., 1s. 2d. per lb.

Shellac.—Spot quotations, ex London warehouse, are: F.O.T.N. pure, 345s.; F.O. Standard 1, 352s. 6d.; fine orange,

360s, to 400s. per cwt.

Souill.—Italian white, 63s. to 65s. per cwt., spot, according to quality and seller. STRAMONIUM.—Indian is available at 65s.

per cwt., spot London. Strophanthus.—100 per cent. Kombé is

steady at 11s. to 11s. 6d. per lb. spot: gratus, 15s., spot. STYRAX.—No supplies.

Nominal spot value, 7s. 6d. per lb., duty paid.

Tragacanth. — Prices are unchanged. Selected white, £90 per cwt.; other white grades, from £55 to £85; pale leaf, £35 to £40; amber, £20 to £27; red, £14; hoggy, about £10 10s.

TURMERIC.-Madras finger on spot is from 115s. to 117s. 6d. per cwt.

Uvæ ursi.—Spot quotations, ex wharf London, are around 85s. per cwt.

Waxes.—Market very quiet. Bees'.—Dar-es-Salaam on spot is easier at 335s., spot; shipment, 305s. per cwt., c.i.f., nominal. Benguela is offered at 305s., duty paid, and forward at 302s. 6d., c.i.f. No supplies of Lindi are available on the supplies of Lindi are available on spot and there are no shipment offers. CANDELILLA. there are no shipment ofters. CANDELILLA.—Spot offers are unchanged at 385s.; shipment, 375s., c.i.f. CARNAUBA.—Prime yellow, easier at 720s., spot; shipment, 650s. per cwt., c.i.f. Fatty grey is now offering at 465s.; shipment, 435s. per cwt., c.i.f. Chalky grey is 440s., spot; 415s. per cwt., c.i.f. MONTAN.—Reibeck, 300s., spot; Czechoslovak crude, 270s. per cwt. OURICURI.—I per cent., 430s. per cwt., c.i.f. Supplies of 1 per cent., on spot have been Supplies of 1 per cent, on spot have been cleared. 2.5 per cent., 435s.; 6 per cent., 422s. 6d.; 9 per cent., 407s. 6d. per cwt., all spot London. Spermaceti.—Spot quotations are unchanged at 2s. 10½d. per lb.

Essential and Expressed Oils

ANISE.—Chinese star, in drums, is quoted at 5s. to 5s. 3d. per lb., with up to 6s. for smalls; shipment, firm at 5s., c.i.f.

Bay.—Merchants are asking from 6s. to 7s. 6d. per lb. for West Indian on spot.

Camphor.—White oil on spot is quoted at from 2s. 6d. to 2s. 8d. per lb., duty paid. Caraway.—English-distilled is offering at

37s. to 40s.; imported, 28s. to 30s. per lb. Cassia.—Prices are unchanged. Spot

supplies are available at from 13s. 13s. 6d. per lb.; shipment, 9s. 6d. c.i.f. CINNAMON.—B.P. oil, 60s. to 70s, per lb. Bark oil is offered at 12s, per oz. Leaf

oil, on the spot, 7s. to 9s. per lb. CITRONELLA.—Ceylon is quoted at 3s. 7d. per lb., spot, forward, 3s. 7d., c.i.f., nominal. Java on spot, 7s. 6d. per lb.; shipment is quoted at 5s. 10d. to 5s. 11d., c.i.f.

GERANIUM.—Bourbon is offered on spot at from 47s. to 55s. per lb., as to grade.

OLIVE. - The current allocation of oil from members of the Importers' Association is being made at the reduced rate of 26s, 2d. per gall, of 9 lb., ex store, drums included. Additional charges will be made for small quantities, according to costs of breaking bulk, containers, delivery, etc.

PATCHOULI.—Singapore on the spot is quoted at upwards from 27s, to 30s, per lb.

Pennyroyal.—Prices for spot supplies are from 18s. to 20s. per lb., as to grade. Peppermint.—English-distilled "Mitch-

is quoted at 200s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil is offered at from 50s. to 70s, per lb, and upwards, as to quantity and grade.

TEREBINTH.—Quotations for B.P. oil are from 1s. $6\frac{1}{2}$ d. to 1s. $10\frac{1}{2}$ d. in winchesters, and 1s. 5d. per lb. in carboys.

THYME. — Red oil (40-42 per cent. phenols). 12s. 6d. to 15s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

VETIVERT.—Spot, 95s. per lb., nominal.

COMING EVENTS

Monday, November 15

LONDON MEDICAL EXHIBITION, New Hall of the Royal Horticultural Society, London, S.W.1. Open until November 19.

Tuesday, November 16

BIRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Birmingham, at 8 p.m. Mr. J. T. Marsh, M.P.S. (Glaxo Laboratories, Ltd.), on "Progress in Pharmaceutical Manufacture."

LONDON PHARMACEUTICAL North Finchley Library Hall, Ravensdale Avenue, London, N.12, at 7.45 p.m. Mr. H. W. Tomski, B.Com., M.P.S., F.S.S., on "Pharmaceutical Economics.

Wednesday, November 17

LIVERPOOL CHEMISTS' ASSOCIATION, Adelphi Hotel, Liverpool, 7.30 p.m.-midnight. Dance in aid of Pharmaceutical Society's Benevolent Fund.

BLACKPOOL BRANCH, PHARMACEUTICAL SOCIETY (JUNIOR SECTION). Visit to Bob Martins, J.Id., Southport, leaving Blackburn's Garage, Albert Road, Blackpool, at 1.30 p.m. (tickets 7s. 6d.

ULSTER CHEMISTS' ASSOCIATION, Offices of Pharmaceutical Society of Northern Ireland, 73 University Street, Belfast, at 3 p.m. Annual meeting.

Thursday, November 18

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 8 p.m. Mr. A. D. Powell, M.P.S., F.R.I.C., on "The Chemical Substances of the B.P., 1948."

DARTFORD BRANCH, PHARMAGEUTICAL SOCIETY, Grammar School, West Hill, Dartford, at 8 p.m. Showing of film "d-Tubocurarine Chloride," with introductory talks by Drs. T. Dewing, G. E. Foster and F. Prescott.

MANCHESTER PHARMACEUTICAL ASSOCIATION (JUNIOR BRANCH), Fallowfield Hotel, Manchester, 7.30-11.30 p.m. Dance in aid of Benevolent Fund (tickets 7s. 6d. each).

SOMERSET BRANCHES, PHARMACEUTICAL SOCIETY and NATIONAL PHARMAGEUTICAL UNION, Moir's Café, St. James Street, Taunton. 3.30 p.m., N.P.U. meeting (speaker Mr. H. Holmes, Torquay); 5.15 p.m., tea: 6 p.m., Society Branch meeting. Dr. Katherine H. Coward. D.Sc., on "Vitamins—their Standardisation and Identification."

Friday, November 19

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY, 36 York Place, Edinburgh, at 7.30 p.m. Dr. Robert C. Garry (professor of physiology, Glasgow University) on "Man in his Environment."

EAST METROPOLITAN BRANGH, PHARMACEUTICAL SOCIETY, Lecture Hall, Manor Park Public Library, Romford Road, London, E.12, at 8 p.m. Mr. H. N. Linstead on "Pharmaceutical Development in N.H.S."

LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION, Hotel Metropole, Leeds, at 7.30 p.m. Mr. H. E. Chapman (secretary, P.A.T.A.) on "Price Controls and Price Maintenance in Pharmacy."

London Branch, Guild of Public Pharmacists, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Film show, presented by Imperial Chemical (Pharmaceuticals), Ltd. ("Physiology of the kidney," "Properties of Acetylcholine," and "Colour").

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY.
Visit to British Broadcasting Corporation, meeting at B.B.C., Seymour Road, Plymouth, at Branch, Pharmaceutical Society. 6.45 p.m.

Sunday, November 21

ASSOCIATION OF PHARMACEUTICAL EMPLOYEES, Bonnington Hotel, Southampton Row, London, W.C.1, at 10.30 a.m. Conference.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION is holding a dance at the Botanical Gardens, Edgbaston, on Wednesday, November 24, 8 p.m.-1 a.m. (tickets 7s. 6d. each, including refreshments, from Mr. D. J. Rushton, 1088 Stratford Road, Birmingham).

TRADE MARKS

(From the "Trade Marks Journal," October 27) 'Aroz''; by J. H. Carr and J. W. Hutchinson, trading in co-partnership, South Shields;

663,366. For fertilisers (1).

"OLESTOL"; by A. & F. Pears, Ltd., Isleworth; 665,145-46. For industrial chemicals (1); for

all goods (3).
"GLO-Suds"; by Pola Manufacturing Co., London, S.E.20; 658,988. For detergents and non-

"Gran Mogol."; by Luxana Sociedad Anonima, Barcelona, Spain; 661,313. "Belle De Mat."; by Reine des Cremes, Ltd., Greenford; 662,523. "Gainsborough!" on blackboard and easel; by Gainsborough (Twickenham), Ltd., Twickenham; 662,935. "Ocap"; by Eugene Twickenham; 662,935. "Ocap"; by Eugene Scheuller, Paris; 664,330. "Naishapur"; by Albert William Northover, Manchester; 664,918. For non-medicated toilet preparations (3). "Gamophen"; by Johnson & Johnson (Gt. Britain), Ltd., Slough; 662,688-89. For soaps and detergents (3); for antiseptics and disinferent of the state of the s

fectants (5).

"Practo"; by Dustall & General Products Co., London, N.W.3; 662,952, For soaps (3). "LAUNDENE"; by Co-operative Wholesale Society,

Ltd., Manchester; 663,173. For detergents (3). "Lournay"; by Colgate-Palmolive-Peet, Ltd., London, S.W.1; 664.832. For all goods (3). Device of angel in flight; by Horlicks, Ltd.,

Slough; 657,021. For all goods (5).

"Dolcin,"; by Dolcin, Ltd., Toronto, Canada; 660,112. For pharmaceutical preparations and substances for use in the treatment of rheumatism, sciatica, etc. (5).

"Permacide"; by Perma Products, Ltd., London, W.1; 661,928. "Effusan"; by British Schering, Ltd., London, W.1; 664,267. For insecti-

cides (5).

"ALEMVITE"; by Hirst, Brooke & Hirst, Ltd., Leeds; 663,285. "MULTIBEX"; by The British Drug Houses, Ltd., London, N.1; 663,611. "BIOFAX" and "SEPTIFAX"; by the Wellcome Foundation, Ltd., London, N.W.1; 665,093 and 665,141. For all goods (5).
"LI-LOPLAST"; by P. B. Cow & Co., Ltd., Lon-

don, S.W.16; 663,368. For surgical bandages

and dressings (5).

"Hotto"; by Marshall & Dearden, Ltd., London, S.W.4; B663,434. "Eupon"; by Bayer Products, Ltd., London, W.C.2; 664,099. "VALGENINE"; by Sandoz, Ltd., Basle; 665,779. For pharmaceutical preparations and substances (5).



Ethinyl œstradiol is unique in that it is a simple derivative of the natural ovarian hormone which is highly active when administered orally. It is now available for clinical use as 'Estigyn'.

'Estigyn' may be employed in all cases in which an oral œstrogen is indicated, especially those in which the physician hesitates to prescribe the synthetic, non-steroid æstrogens.

Toxic reactions, such as headache, nausea and vomiting, are rare following

the administration of 'Estigyn' and are most unlikely after the usual therapeutic doses. PRICES TRADE RETAIL Tablets each containing 0.05 mg.

Bottles of 100 9/8 14/6 Bottles of 500 43/6 65/3

2/8

Each tablet is scored for convenience in giving doses of 0.025 mg.

'ESTIGYN'

Bottles of 25

Ethinyl Œstradiol B.D.H.

BRITISH DRUG HOUSES LTD. LONDON N.I Γ HE

4/-



Packed with bay leaves in 4-lb. carsections.

'APOLLO' brand is the concentrated extract of carefully selected liguorice root grown on the fertile plains of Anatolia.

It is manufactured in the district where the root is cultivated. tons, 28 in a case. The Chemist who sells 'APOLLO' Made in 2 oz. size brand knows that he is giving his divisible into 1 oz. customers a product of the highest purity and integrity.

MACANDREWS & FORBES, LTD 2 Caxton Street, London, S.W.I

WE SPECIALIZE IN THE MANUFACTURE OF

LLIC ACID-PYROGALLIC ACID

PURE & TECHNICAL

ESTABLISHED 1857

SOWEST, LONDON."

RESUBLIMED. PURE CRYSTAL & TECHNICAL

WHOLESALE & EXPORT ONLY. Enquiries Invited

L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

TELEPHONE: RIPPLEWAY 2763 TELEGRAMS: " GALLIC, BARKING,"

BURNSIDE'S EUCALYPTUS

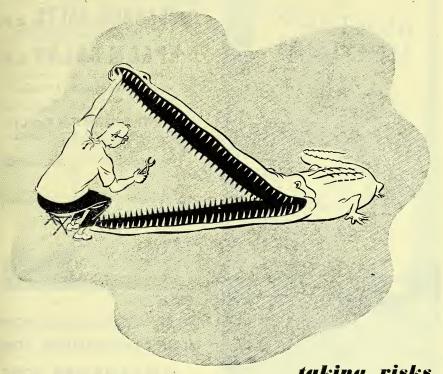
Distrilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.-W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P. 70/75%
Oil Euc. Dives 40/45% Piperito
Oil Euc. Citriodora Oil Euc.
Phellandrene 70/75% B.P. Piperitone 90/95% Oil Euc. Phellandra

UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3 Phone: MANSION HOUSE 9264-5-6 (WHOLESALE ONLY) Grams: WYFIELD, LONDON

Some people like ...



taking risks

... there's a difference between being fool-hardy and having a sense of adventure — just as there's a difference between buying any chemical and buying a thoroughly reliable product. STERLING Brand Chemicals are purity-tested. They have been giving satisfaction for over a hundred years.

STERLING Brand Chemicals



BEATSON, CLARK & CO. LTD

MANUFACTURERS ROTHERHAM

CHEMICAL AND

MEDICAL

Established 1751 YORKS

(RB) BC.61

May we quote you for-**GLAUBER SALTS**

Pea Crystal and Feathery

EPSOM SALT

Needle Crystals, Medium, Exsiccated All grades conform to the 1932 B.P. Standard

Special Crystals matched and any degree of exsiccation to order.

Packed for Home and Export.

HARRIS, HART & Co. Ltd.

MOSS HOUSE CHEMICAL WORKS, BLACKLEY, MANCHESTER 9.



NUTRITIOUS TONIC

MORELIX

(Regd.)

ESPECIALLY SUITABLE CHILDREN

AND DURING CONVALESCENCE

Contains Liquid Malt, Vitamins A & D, Hypophosphites and Virginian Prune.





GALE. 274/276. ILDERTON ROAD. We specialise in the manufacture of . . .

Allobarbitone Barbitone Barbitone Sodium Cyclobarbitone Phenobarbitone Chiniofonum Diodoquin

PIERSON, MORRELL & CO. LTD.
THE ORIGINAL BRITISH ASPIRIN MAKERS
BARNET, Herts

Telegrams: Pierson Morrell Barnet

Telephone: BARnet 0723

Emulsifiers for the Progressive Dispensary

These high grade emulsifying machines give exceptionally fine oil-in-water globule formation. Ideal for all normal dispensing requirements and just the thing for profit bringing cosmetic and beautifying cream bases. Detachable or permanent fitting.

We shall be pleased to send full details of both the clamp and pedestal emulsifiers on request.



Dept. 22 56b CROUCH END HILL LONDON. N.8

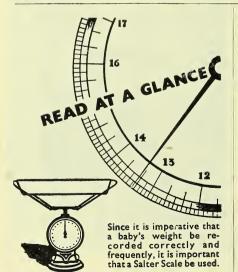


Solazzi

L U R I 0 0

> is now again available and in fair supply ...

Tried and trusted remedy for many years past of coughs and colds. Obtainable from your Wholesaler. usual



baby weighers

GEO. SALTER & CO. LTD., WEST BROMWICH

TRAGACANTH GUMS TRAGACANTH As imported or Finely Powdered ALL GRADES

FREDK. FINK & CO., I Fenchurch Street, London, E.C.3

Telephone: Mansion House 8119

NEW or SECONDHAND MACHINERY Chemical Plant of any kind

REED BROTHERS (Engineering) LTD

Bevis Marks House, London, E.C.3 Telephone AVEnue 1677/8

F. SCHUTZE & Co., LTD.

ESTABLISHED 1882

For "MASTER" BRAND SURGICAL TRUSSES

SUSPENSORY BANDAGES JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA or SILK, plain or fancy, wide range of designs. Own bottles wickered at moderate cost

Black Bull Works, Market Road London, N.7



NATIONAL GLASS WORKS (YORK) LTD.

WORKS: FISHERGATE, YORKS.

LONDON OFFICE: 105 HATTON GARDEN, E.C.I

Telephone: York 3021

Trade (N) Mark

Telephone: Holborn 2146



N.V. SOCIETEIT VOOR CHEMISCHE INDUSTRIE

"KATWIJK"

KATWIJK-AAN-ZEE

HOLLAND

Producers of :

CAFFEINE AND SALTS

THEOBROMINE AND SALTS

PENTAMETHYLENETETRAZOL
(Syn. LEPTAZOL B.P.)

DIPHANTOINE (DIPHENYLHYDANTOINE)
PURE, SODIUM AND CALCIUM

London Agents:

GREYER, BRECHEISEN & Co., Ltd.
BUSH LANE HOUSE, CANNON STREET,
LONDON, E.C.4.

Telephone: MAN 903



Essential Oils

Almond . Aniseed . Bay Cassia . Cedarwood . Clove Eucalyptus . 70/75 and 80/85 Geranium . Juniperberry Lavender . Lavender Spike Lemon . Lemongrass

Orange . Origanum
Pennyroyal . Peppermint
Rosemary . Sassafras . Thyme

Trade Inquiries invited

"IMMORTELLE"
PERFUME COMPOUNDS

LODGE, ROBIN, LIMITED Laleham-on-Thames, Middlesex

Tel./Grams: Staines 3698



GOOD SUPPLIES!

This big selling line is back again on the market. Supremely comfortable, the Dunlopillo ring-cushion is an ideal travel companion and an invaluable aid to invalids. Its softness and uniform support provide perfect relaxation.

Chemists can now obtain these cushions from their usual wholesalers.

A light cover should be used with these cushions.

RETAIL PRICE 11/8d. Type E 105045 16" diameter 5" hole

DUNLOPILLO The original LATEX FOAM

Dunlop Rubber Co. Ltd., Dunlopillo Division (Dept. C.D.), Rice Lane, Walton, Liverpool, 9

London: 19-20 New Bond Street, W.I.

FOUNDERS OF THE LATEX FOAM INDUSTRY



for busy dispensing chemists.

Cuts out the drudgery of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

Value of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia.

THE PASCALL ENGINEERING CO. LTD

Write for list CD248

The 'Clinbritic' Vaccine Bottle

MADE IN ALKALI FREE AMBER or WHITE GLASS



A Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.

No Wiring is necessary, and there is

No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.

The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap. No manipulation whatever is required after sterilization.



Completed

Assembly Details.

Samples, Prices and Full details on Request

Britton, Malcolm & Company, Ltd. 38 Southwark Bridge Road, London, S.E.1

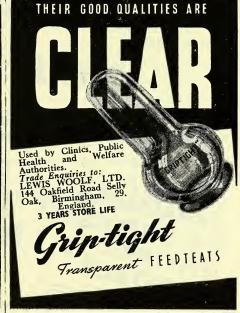


Your wholesaler can make prompt deliveries from stock.

Sole Concessionaires for the United Kingdom

A. ELDER REED & CO. LTD.,

105, HIGH STREET, BATTERSEA, S.W.II





X

THE

ALL TYPES OF CLINICAL

AND OTHER

THERMOMETERS

PERKEN, SON & CO. LTD. (ESTABLISHED 1852)

8 HATTON GARDEN LONDON, E.C.I

Telephone: 0724 Holborn

Telegrams: "Optimus, Smith, London"

Wholesale Agents for Clinical Thermometers:

FASSETT & JOHNSON, LTD 86 Clerkenwell Rd. London, E.C.



(Trade Mark)

OWN MANUFACTURE

ORIGINAL LANETTE WAX SX

based on Sodium Cetyl/Lauryl Sulphate

ORIGINAL LANETTE WAX SX 52

based on Sodium Cetyl Sulphate

ORIGINAL LANETTE WAX S

based on Sodium Lauryl Sulphate

All fully complying with the official standard of

CERA EMULSIFICANS R.P.

CYCLO CHEMICALS LTD.

Wax Refiners and Chemical Manufacturers MANFIELD HOUSE, STRAND, LONDON, W.C.2

"A CHEMIST'S LINE"

WITH LOOPS

NORVEX

SAN. TOWELS

NORWICH CROSSKILLS OF

SPENSARY ONTACT



THE PHARMACY FITTINGS SPECIALIST

105 GREAT EASTERN STREET, E.C.2

CLErkenwell 5886

The characteristic differences between Elastoplast Bandages and Elastoplast Plasters are not always fully appreciated



ELASTOPLAST BANDAGES

are cream colour, elastic, adhesive. Available in 3 widths—2", $2\frac{1}{2}$ ", 3" \times 3 yds.—5/6 yds. when stretched.



ELASTOPLAST PLASTERS

are flesh colour, elastic, adhesive. Available sizes, $1'' \times 3$ yds.—5/6 yds. stretched: 1'' and $2'' \times 1$ yd.— $1\frac{3}{4}/2$ yds. stretched.

The Elastoplast Bandage is widely used for circular bandaging as a means of compression and support. For ease of application it is rolled adhesive side outwards and its non-fray edge is slightly fringed so that risk of 'cutting-in' to a swollen limb is minimised. The adhesive is not spread to the edge to avoid any possible seepage on to garments. This bandage, made of super elastic cloth, has exceptional stretch and regain properties.

The Elastoplast *Plaster* is more snug and more comfortable that a rigid plaster. Because it is often cut up and used in small pieces, the adhesive is rolled *inwards* and spread to the edge to give close adherence to the skin all round. This elastic plaster is used also for light splintage on adults and for compression bandaging on children where neither the width nor extra weight of the Elastoplast Bandage is required.

Elastoplast

BANDAGES AND PLASTERS

WO SMITH AND NEPHEW PRODUCTS



VALVE REG. NOS. 841964, 841968

This Trade Mark guarantees the quality





Made by a special process which gives long life and produces a Teat with a perfect flow. The shape ensures a tight grip of the bottle

J.G.INGRAM & SON, LTD.

The London India Rubber Works, HACKNEY WICK, E.9.

THE SURGICAL APPLIANCE SPECIALISTS



Manufacturers of all kinds of



TRUSSES. BELTS SUSPENSORY BANDAGES HOSIERY, ETC.

R. H. Heward Co.

CROWN ROAD WORKS

BELTRUSS, TV

Medical Rottles

ALL DESCRIPTION FLATS, VIALS, POISONS, PANELS. JARS and CORKS

HOSPITALS and CHEMISTS RECEIVE

OUR SPECIAL ATTENTION

Writ:

GEO MEDICAL BOTTLES SEVEN SISTERS ROAD, LONDON, N.I Phone: Stamford Hill 7447

.. MANOFDS .. NEVROIDS . URICURE TABL OCCASIONAL

> THE ACTON PILL & TABLET Co: Ltd. and all Sundries Houses

INFORMATION OF FOR THE PHARMACISTS

The frequently reported losses of barbiturates announced by the B.B.C. are considered to be, more often than not, attempts by addicts to obtain additional supplies of the drug. The medical profession is therefore rightly reluctant to prescribe this drug frequently or for long periods.

The best means to stop such undesirable practice is to restrict prescriptions of barbiturates to cases which are not likely to respond to other sedatives or hypnotics. Personnia, a combination of two open-chain

ureides - bromisovalerylurea and carbromal - has been proved by long clinical practice to be as effective as barbiturates in practically all cases in which a sedative or mild hypnotic is indicated. The preparation discloses a marked synergistic enhancement of effect as compared with the therapeutic value of the two component drugs individually employed.

*Barbiturates are closed-chain ureides

Some of the advantages of PERSOMNIA over barbiturates are the following:

- Safety in use, even in doses largely in excess of therapeutic requirements
- Not habit-forming
- No after effects
 No effect on the normal circulation
 Minimal risk of bromism
- No cumulative action
- Rapid absorption and excretion Induces quiet sleep without preliminary excitement

NOTE:—Persomnia has no official B.P., B.P.C., or N.(W.)F. equivalent.

Free clinical samples and literature will be gladly sent on request

CLINICAL PRODUCTS LTD. RICHMOND, SURREY, ENGLAND

THIS

ANNOUNCEMENT

ISNOW

APPEARING

IN LEADING

MEDICAL AND

NURSING

IOURNALS

PRICE:

PERSOMNIA TABLETS 2/6 and 5/-

(including Purchase Tax)

Medical Brochures describing this preparation in detail will be gladly sent to Ms.P.S. on application to:

Medical Department

CLINICAL PRODUCTS LIMITED

Richmond, Surrey, England

For the usual attractive C.P.L. discounts and terms apply SOLE DISTRIBUTORS:

MOORE MEDICINAL PRODUCTS LTD.

England & Wales

64 GLOUCESTER PLACE, LONDON, W.1.

Welbeck 5718/9

Scotland & N. Ireland 1 QUEENS TERRACE, ABERDEEN Aberdeen 6000/1



"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

special garments to we give the best possible service

SURGICAL BELTS TRUSSES AND SUNDRIES

> 50 years' service of everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.

F. H. STEELE & Co. Ltd.

Manufacturing Chemists BLACKROCK · DUBLIN

Now offer wide range of

MEDICATED PASTILLES LOZENGES · TABLETS CORDIALS & SOUASHES CHEWING GUM (including non-medicated) CHEMISTS' CONFECTIONERY AND TOILETRIES

Specially made and attractively packed for chemist trade only

products of highest standard manufactured under ideal condition

EXPORT TRADE ENOUIRIES INVITED

Phone: Dublin 83610 Grams: 'Destel, Blackrock

Increased Advertising means Increased Demand for

DABitoff

THE COMPLETE HOME DRY CLEANER

You need stocks now to reap the full benefit of our 1948 Publicity Campaign.

Sells at 2/- per bottle, Retailers Discount 25% and 10% (for display).

FITTED

Supplied direct, or through the wholesaler. Enquiries to :-THE DABITOFF COMPANY,

96 Church Street, London, N.16 TEL, CLISSOLD 0660.



This advertising is NEWS for denture-wearers

interesting, newsy facts revealed by a Steradent market survey about the proportion of people who wear dentures, whether they have plastics, full or partial sets, how they clean them, whether they wear them while sleeping—these facts are the basis of the current Steradent advertising. The campaign has outstanding interest for denture-wearers and that means for more than half your adult customers. Each advertisement stresses the value of Steradent for leaning plastic as well as all other types of dentures.





Phone:
HOP 0516
(6 times)

THE CONTAINER PEOPLE

Percenta Ltd., Percenta House, 130/2 Tooley Street, London, S.E.I



Selling Price: RECTANGULAR 4/7, OVAL 2/9 (Inc. P.T.)

of posters in London's Tuke Stations and bases.

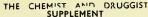
progress, with regular spaces in leading National Weeklies, Women's Journals, etc., etc. It is backed up by hundreds

Order through your usual wholesaler who will supply attractive showcards for window or counter use—or, in case of difficulty, write to SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT

Telephone: Ravensbourne 2641

LUXURIOUS

INEXPENSIVE





Toni Home Perm sales top 250,000 mark in less than one month of its introduction!

Yes, British women love Toni! The first month's sales figures prove it, and confirm Toni's phenomenal success story in America, Canada and South Africa. Consider this sales record:

* 50 million Toni Kits sold in the United * 2 million kits sold in Canada in 12 months. * 20,000 kits sold in Johannesburg in I month.

AND NOW: A quarter of a million Toni Kits sold in Britain in less than I month!

ARE YOU GETTING YOUR SHARE OF THESE NEW CUSTOMERS AND NEW PROFITS?

Tie-in with the current Toni publicity and advertising campaigns in the National and Provincial press, Magazines, Posters, Cinema Slides, Films and Point-of-Sale Displays.

NEW BUSINESS

REPEAT BUSINESS

when you feature



HOME PERMANENT

the creme cold wave





Salts, crystals, unquents and creams, and many patent foods - all depend upon freshness for consistent sales. Mono waxed paper cartons are hygienic, moistureproof and preserve the contents in perfect condition. Available with tapered or cylindrical sides and screw or

disc lids with printed designs that avoid labelling problems. Enquire

for details and samples.



FULLERS



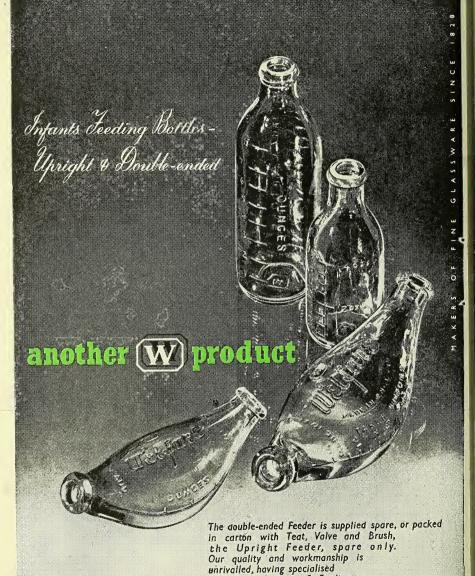




MONO CONTAINERS LTD . CUMBERLAND AVENUE . PARK ROYAL . LONDON . N. W. 10



Groms: UNGLABOMAN, LESQUARE, LONDON



wood brothers

GLASS CO LTD OF BARNSLEY IN YORKSHIRE

in the production of Feeding Bottles for over 100 years. YOUR

LIGHTING PROBLEM

is to reduce electricity consumption and still maintain your standard of lighting

CURRENT NOW USED



SOLVED

by OSRAM Fluorescent lighting which requires less than half the current used by ordinary lamps

CURRENT SAVED

Æ



LIGHT MAINTAINED

with Osram

FLUORESCENT LIGHTING

AND S.E.C. FITTINGS

G.E.C. Illuminating Engineers will advise and assist.

THE GENERAL ELECTRIC CO. LTD., MAGNET HOUSE, KINGSWAY, LONDON, W.C.2

D& P copying paper negs enlarging

Return Service

Best work guaranteed and despatched the same day as it is received. So improve your service-and don't lose the profitable business in paper negs-by using Northern Centre to the fullest extent.

NORTHERN CENTRE

ARGUS CHAMBERS, BRADFORD

The Finishing Firm of the North

SPECIALISTS IN COLOUR WORK

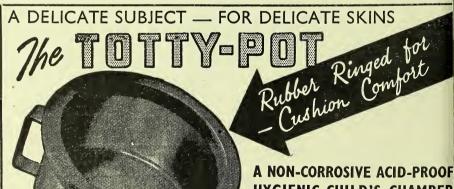
ROTOSAN Automatic AIR PURIFIER

Chemists everywhere are welcoming the return of the ROTOSAN in its new modern, streamlined, design. Packed in an attractive cellophanewrapped "display" carton with supply of
ROTOSAN pink Superfume
Crystals. In four

lovely pastel shades. Blue, Bronze, Green and Pearl. $33\frac{1}{3}\%$ retail profit. Outfit retails

> Plus 1/3 P.T. Refills 2/-6 oz. bag.

One of Walkers Approved Products W. & F. WALKER LTD. KIRKBY, L'POOL



Trade Mark Totty Pot" Patent

applied for

HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS J. BILLIG & SONS LTD.. ESTABLISHED 1899

BILTIN WORKS, FONTHILL ROLONDON N.4. TELEPHONE ARCHWAY 2753 & 3858

OUR NEW ADDRESS

where, in more spacious surroundings, we shall be able to give even better service than before, and thus expedite deliveries of 'Stanvox' T.C. Pastilles, 'Stanvox' Throat Mint Gums, 'Stanvox' Liquorice and Menthol Pellets, etc.

Our new telephone number is PETERBOROUGH 3302

STANESE:

LTD.

BRIDGE STREET PETERBOROUGH

NOT STICKY



BUT IT STICKS!
... it's MORE than a bandage

PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDAGE
STICKS TO ITSELF—BUT NOT TO THE SKIN

De a Is from the Sole Distributors

FASSETT & JOHNSON LTD

E6 Clerkenwell Rd. London, E.C.I and 6 Crow St. Dublin MADE BY VERNON & CO. LTD., PRESTON, LANCS.

92% of all cat powders sold are 'TIBS'

Market Survey shows
Supremacy of 'TIBS'—and the
Power of 'Tibs' Advertising

A market survey just completed in London and the South-East (covering approximately one-third of the population of Great Britain) revealed some interesting facts, on the buying habits of cat owners.

When users of cat condition powders were asked which brand they were in the habit of buying, 92% gave 'Tibs' as the answer. This was confirmed by asking a representative group of retailers which brand of cat powder they found most popular among their customers. In this section of the survey 'Tibs' scored 93%.

'TIBS' ADVERTISING PULLS!

Cat owners were also asked to give the factors which first influenced them to buy 'Tibs', 47% replied that an advertisement was responsible for their first purchase.

The figure of 47% is a remarkable testimony to the effectiveness of 'Tibs' advertising, particularly in view of the widespread reluctance of the public to *admit* the influence of advertising.

BRIGHT PROSPECTS FOR 'PREEN'

An earlier market survey revealed the surprising fact that one in three cat owners groom their cats regularly, and that the need for grooming is widely recognised. The potential market for a reliable dry-cleaning preparation for cats was indicated by replies to the question "What cleaning agent, if any, do you use when you groom your cat?". They included talcum powder, Vim, flour, vinegar.

Market prospects for PREEN—the new 'Tibs' dry-cleaning powder for cats—are therefore externely good. PREEN comes in cylindrical cardboard containers attractively designed in meadow green, buttercup yellow and black. Display 'crowners' are supplied with every order. PREEN sells at 1/6d.

Bob Martin Ltd., Southport



Retail Price 2/3 per bottle

Contact your wholesaler to-day or write to :-

BE PREPARED! The biggest-ever sales sensation is under way. Women know about dip-women need dip-women want dip-the dip-rush ha started. Widespread advertising is telling the story-dip stiffening STAYS.

ATTRACTIVE DISPLAY STANDS

available free. Invaluable sellirg aids. Small showcards and window streamers also available.

BRITISH PERMANENT STARCH CO., LTD., 87 REGENT STREET, LONDON,

TONICS FOR THE COUNTER & ON PRESCRIPTION

PARIVITAN

VITAMIN-MINERAL TONIC

"PERHEPAR"

P.C.O. INFANS

PARATEX

Four Tonics of proved efficacy

GEDEON RICHTER (G.B.) LTD

14-18 WEEDINGTON ROAD . LONDON . N.W.5 GUL 3-78-9

G. O. WOODWARD & Co. Ltd.

Specialists in the manufacture of COMPRESSED MEDICINAL TABLETS

HOME & EXPORT ENQUIRIES INVITED

146 Larkhall Lane, Clapham, LONDON, S.W.4.

Telephone: MACAULAY 4375

BRITISH AMPOULE FILES

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

"FLEET" WORKS OUEEN'S ROAD. SHEFFIELD. 2

OLOGICAL



PREPARATIONS

HE QUALITY OF

ALL THAT

MBL

PRODUCTS IS

ABSOLUTELY PREPARATION

ecause of our heavy purchases immediately before war broke out. Our stocks re still considerable and the high MBL standard will be fully maintained.

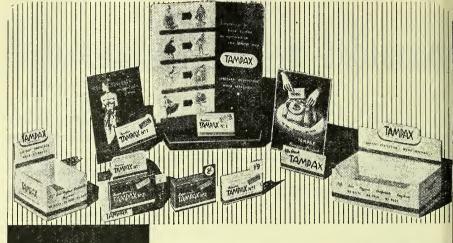
OF

HERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

Retail CHEMISTS' PRICE					
Prices Per unit Per dozen					
(inclusive of Tax) Net + Purchase Tax Net + Purchase				EOL	NTI
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		•••		40 gr.	INTN
		••••	. bottle	20 gr. 40 c.c	QUII
			IPEOL	HALMO-ANT	PHT
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		•••	•••	lozzled Tube	gr. gr.
				-ANTIPEOL	HIN
3/1 1/9 + 7 21/- + 7/- 1/9 1/- + 4 11/11 + 4/-				lozzled Tube	gr.
				OFAGOS	NTE
19/- 13/3½ None 159/7 None 4/3 3/- None 35/8 Non		•••		50 ampoules 10 "	99
··· 2/6 1/9 None 21/- None	•••	•••	•••	5 "	" _
				ISYL	
		•••		00 tablets 50 ,,	in of ube o
				MES' BALM	T. J.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	i	•••		approx. 2½ oz.	in of
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	i	•••	••• •••	approx. 2½ oz.	in of

Carriage paid on all orders of I dozen or £1 and over.
Terms: NETT, Monthly Account.

1EDICO-BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25



display

When Tampax is displayed, women have no need to ask if yo stock it. That saves embarrassment. And results prove that i steps up sales, too. There's a wide range of Tampax display unit for every purpose. Send details of your requirements to: Sale Office, 110 Jermyn Street, London, S.W.I.

SANITARY PROTECTION WORN INTERNALLY

TAMPAX



TABLETS FINE CHEMICALS PHARMACEUTICALS AMPOULES

EXPORT

ENQUIRIES INVITED

WALLACE (Pharmaceutical) LTD

198 Finchley Road LONDON, N.W.3

Telephone: HAM 7627 Cables : WALLACOL, LONDON

An

ALL-BRITISH FIRM

have pleasure
in announcing that:—

BRONCHOVYDRIN

is back on the
BRITISH MARKET



EXEMPT from PURCHASE TAX



This Inhalant for the Treatment of Asthma is now Obtainable from the

Manufacturers and Sole Distributors :-

BRONCHOVYDRIN (1945) LTD. 12 WESTWOOD ROAD · BARNES · S.W.13

new, increased advertising

ADVERTISING WILL

CREATE THE DEMAND—
CREATE THE DEMAND—
BE SURE YOU CAN MEET IT
BE SURE YOU CAN MEET IT
WITH SUPPLIES FROM STOCK
WITH SUPPLIES FROM YOUR
DISPLAY THEM ON YOUR
COUNTER AND SHELVES!

WILL HELP YOU TO

SELL THESE SIX PRODUCTS

	SIZE	PACKED	LIST PRICE	(INC. TAX)
Nujo1	8-oz.	2-Doz.	1/4	1/10
	16-oz.	I-Doz.	2/3	3 /1
Cream of Nujol (PLAIN) OR WITH PHENOLPHTHALEIN	16-oz.	l-Doz.	3/4	4/4
Stampol	6-oz.	2-Doz.	1/7	2/2
Stemcol	16-oz.	I-Doz.	3/1½	4,31
Mistol or	½-oz.	2-Doz.	1/1½	1/6½
Misto1	2-oz.	I-Doz.	2/3	3/1
WITH EPHEDRINE	\$			

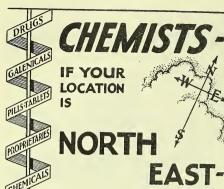


ORDER YOUR REQUIREMENTS FROM:-

STEMCO LIMITED

128/132 ALBERT ST., CAMDEN TOWN, LONDON, N.W.I

GULLIVER 5474



Your Enquiries will be welcomed by:

SPEEDY
Delivery
OWN VANS
WHEREVER
POSSIBLE

Tel 3207

MIDDLETON & CO. LTD. BOUNDARY ROAD

MIDDLESBROUGH

'CONTENTA' GRIPE MIXTURE
for BABIES
"The label sells it"

BLACKWELL HAYES & CO. LTD., Wholesale Oruggiste 54-58 MOOR STREET, BIRMINGHAM, 4

Record Breaking Sales

are being made by stockists of HERBALENE, the natural non-habit forming herbal laxative. GENTLE IN ACTION. Cash in on the growing demand and be certain of a large, rapid turnover. Your order will receive our most prompt and careful attention.

HERBALENE (Regd.)

1/6 and 2/6 per packet. 3/8 per tin—Retail Prices.

Send also for particulars of other famous family remedies such as our Nerve, Digestive and Sleeping Tablets, Garlic Perles and Herbal Skin Cream.

Agents still wanted in some areas.

LUSTY'S NATURAL PRODUCTS CO. (C.D.)
Westcliff-on-Sea Essex

A MPOULES

Ampouled Injections and Powder Ampoules in large or small quantities. Specialist production under experenced Chemical and Medical supervision.

Trade engurines invited.

MARKWELL, EDWARDS & CO. LTD. 589, High Road, London, N.12 Hillside 5806

Hinders ANKLE VIGGER

The exclusive feature of this increasingly popular ankle support is the "controlled tension."

British & Foreign Patents.

Enquiries to HINDERS LTD. 174/192, Estcourt Road, London, S.W.6



ENNER INSTITUTE GLYCERINATED VACCINE LYMPH

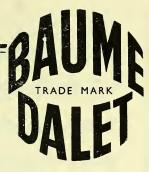
PREPARED IN ACCORDANCE WITH THE THERAPEUTIC SUBSTANCES REGULATIONS (BRITISH PRODUCT)

SINGLE VACCINATION TUBES - - - - - 10d. each; 9s. dozen. Postage extra LARGE TUBES (EXPORT only) sufficient for five vaccinations - - 1s. 6d. each; 15s. dozen

JENNER INSTITUTE FOR CALF LYMPH LTD

77 BATTERSEA CHURCH ROAD, S.W.11

 The <u>only</u> remedy for a very common complaint



for BUNIONS

There's only one line you need stock for all your customers who suffer from Bunions.

There's only one you can stock, because B.D. Baume Dalet is the only line "Made Expressly for Bunions." Nothing else can bring such relief.

If you don't realise how many of your customers have this distressing complaint, just show the B.D. Counter Card for a fortnight and notice the business you do.

From your usual Wholesaler or direct from Sole Distributors for United Kingdom

SPLENDOR LABORATORIES
7c LOWER BELGRAVE STREET, LONDON, S.W.I
AND AT NOTTINGHAM

How many middle-aged women do you serve?

TNCREASING sales prove we were right in believing that the constitution of a housewife needed a different purgative from that of a navvy.

Juno-Junipah is just right for women—that's why they tell each other about it.

JUNO-JUNIPAH

The Women's own Health Salts

THOMAS MARNS LTD.

2 Caxton Street, London, S.W.1

Phone: WHItehall 6310

(B

NOW BEING ADVERTISED TO THE PUBLIC

for the first time in this Country

Antiphlogistine



HUMAN AND VETERINARY

Extra discount on minimum order for £5.

on the

THE DENVER CHEMICAL MFG. CO.

12 Carlisle Road, London, N.W.9



Enquiries welcomed

MORRISONS & RALPH LTD.

BARRHEAD, RENFREWSHIRE

FOR EVERY MONTH OF THE YEAR

"ZEMS" HERBAL LICORICE TABLETS



THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained



from C.F. Wholesale Houses

ZEMS LTD

718-724 Seven Sisters Road, London, N.15

Telephone: STAMFORD HILL 6658-9



CUPAL LTD., Manufacturing Chemists, BLACKBURN



with high

organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)

Strychnine Gluconate — Gives prolonged action with decreased toxicity. Boxes 8 x l c.c. ampoules 0.002, 0.0035, 0.005 gm.

ASMIDAR ANTI-RHEUMATIC Ointment

Non Greasy, Non Staining Analgesic Size & oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and informa-tion gladly supplied on request.

ASMIDAR LTD

16 DOUGLAS STREET, LONDON, S.W.I Telephone: VICTORIA 5556

MANUFACTURING CHEMISTS

LAX - VITA MAGNAS a reliable aperient tablet containing Vitamin B.1. which can be recommended with absolute safety. Packed in two sizes. TALVIXA STOMACH POWDER and TALVIXA STOMACH TABLETS for indigestion, heartburn, windy spasms, etc. VETOPHEN TABLETS an analgesic for neuralgia, headaches, menstrual pains, etc., and a prophylactic against colds, influenza and all feverish complaints. P.L.B. COUGH LOZEN-GES a sound seller with consistent repeat sales. ANTHOS a soluble sanitary towel of the finest quality. Packed in 12's. ANTHOS ALL-ELASTIC SANITARY BELTS in ready supply. LUVENE ALL-WOOL SANITARY TOWELS packed in 12's, sizes 1 and 2.

DEALERS IN HEAVY & FINE CHEMICALS

LAX VITA LTD.

66 VICTORIA STREET LONDON SWI



NOW TO BE DIRECTED TO CHEMISTS

For the past 12 years Dr. Janssen's Herbal Tablets have enjoyed direct sales to the public now numbering over 200,000. The demand to-day is such that sales through the usual Retail channels of distribution have become essential and this vast, readymade market is now available to Retail Chemists all over the country.

A big and sustained advertising campaign in the National, Sunday and Provincial Press will announce the change-over, divert sales to the Retail and foster demand.

Normal 25.625 FORMULA Ext. Cascara Sag. Sicc. B.P. Ext. Aloes B.P.C 7.500 Ext. Le tandra B.P.C. 2.083 Ext. Gentian B.P. - Ext. Taraxaci B.P.C. -3.750 Cerevis, Ferment. SICC. Mrryh. B.P. 2.083 Lecithin (Ground Nut) 3 750 Oleoresin Zingib 0.958 Base to

RE ARE TWO SPECIAL PROFIT INTRODUCTORY BONUS OFFERS BONUS PARCEL A BONUS PARCEL B

Cost Selling Two doz. 2/6 Dr. Janssen Tablets 32/-48/-One doz. 2/6 Dr. Janssen Tablets 16/-24/-,, 5/11,19/6 29/-One only 2/6 ,, Free 2/-5/11 ,, Free 14/6 ** Gives you 38.4% NETT PROFIT 16/-26/-Gives you 43.7% NETT PROFIT 51/6

excluding purchase Tax

Mark your order simply A or B parcel. It can go through your usual wholesaler if desired Dr. Janssen's Herbal Tablets are packed in small and attractive display cartons. All parcels over £1 carriage free.

DR JANSSEN'S HERBAL

HARRY A. PENNEY (DISTRIBUTORS) LTD.
Barclays Bank Chambers, Kendal, Westmorland



otherwise.

National Ad-Large-scale vertising is increasing demand and pushing up Sales and Profits everywhere.

Distributors for England, Wales and Northern Ireland: SALE, TILNEY (MARKETING), LTD., 3 LLOYDS AVENUE, LONDON, E.C.3

Scotland: The Southern Manufacturing Co. Ltd., 214-216 West Regent Street, Glasgow, C.1.



Complete Catalogue of Perfumery and Toilet Preparations sent on request

All products obtainable from your usual wholesaler or direct from

S. SIGAL & CO. LTD.

MANUFACTURERS OF EXCLUSIVE TOILET PREPARATIONS 47 TABERNACLE STREET, LONDON, E.C.2



HIOLITE clears 'Cradle Cap' in two or three applications. It is a boon to mothers. HIOLITE formulated on sound Dermatological principles, with it's soothing action gently and thoroughly cleanses the scalp and hair protecting against further infection. Recommend HIOLITE and sales will boom. Supplies now available. Retails at 1/4½, per bottle. 'Cradle Cap' in AVAILABLE FROM LEADING WHOLESALERS

or from the manufacturers

DRAPER & CO. LTD.

TWYFORD, BERKSHIRE

Facts you should know about Valderma

. . . AS A CHEMIST



As a chemist you will be interested to now that in reports recently submitted y a Public Analyst, and independantly y an eminent bacteriologist, in which alderma was compared with other well-nown skin ointments, Valderma was shown to have a marked superiority against Staph. ureus, Staph. albus, Strep. viridans, Bact. oli communis, B. megatherium and the Diphtheroid organism. (Further details supplied to any Chemist, on request).

. . AS A RETAILER



As a retailer you should bear in mind that persuasive, hard-selling Valderma advertisements are appearing regularly in the national and provincial Press and also on posters. Valderma is now in public demand for an increasing number of uses, so this is very definitely a line to display in your windows and on your counters. Special handy-sized display available on request.

Valderma

DOUBLE-ANTISEPTIC BALM

JARS RETAIL AT 2/2½d AND 3/10d. TRADE PRICE PER DOZEN 15/- AND 26/PURCHASE TAX — 5/- AND 8/8d

DAE HEALTH LABORATORIES LIMITED, RESEARCH DIVISION, 26, BERNERS STREET, LONDON W.I

MISCELLANEOUS OPPORTUNITIES

Sole U.K. Agents:-

"A.W.C." mark Curação Aloes

-Prompt Deliveries-

LAMBETH & Co. (LIVERPOOL) Ltd

Greenock Street.

LIVERPOOL, 3

Glyceryl Mono Stearate, Cetyl Alcohol, Glycerine, Stearic Acid, Petroleum Jelly, Spermaceti Wax, Triethanolamine, French Talc, Zinc Oxide and Stearate, Iso Propyl Alcohol, Liquid Paraffin, Caustic Soda, Lanoline, Nail Varnish, Gums, Waxes, White and Essential Oils.

All Fine and Heavy Chemicals.

HOME and EXPORT

I. I. VIGON & CO 30 Fenchurch Street. London, E.C.3 'Phone: Mansion House 0466-9

SACCHARIN TABLETS

Standard Strength. 0.2 gr. of 550 Saccharin MMEDIATE DELIVERY

84/= per gross packets of 100 tablets Reini, tance with o de... CORBY PHARMACY LTD., CORBY, GRANTHAM, LINCS.

PRE-PACKING & LABELLING

(We can now accept tresh orders) From Bulk it to any size bottle

from a oz.
Mixed and packed to customers POWDERS & TABLETS: Specifications.

J. H. WISEMAN & CO. LTD.

100 Blackstock noad, Finsbury Park, N.4.

Roll Film



FULLY GUARANTEED AND ATTRACTIVELY PACKED IN OUR OWN CARTONS

PRICES-20 " Sizes-£17/10 per gross (Incl. Purchase Tax) 27 Size—£14/10 per gross (Incl. Purchase Tax) Immediate Delivery-Carriage Paid TERMS-Pro-forma invoice or cash with order FOCUS LTD. 40 Sackville St., Piccadilly, London, W.1

Telephone MAYfair 2285

KNOW YOUR COSTS

Why be wor-ied with staff and overheads when you send your products to us for packing.

Output can be increased or decreased to suit prevail markets, therefore, you are not committed to hold la stocks or staff and your overheads are cut to a minimu

Let us quote you

T. J. FAVELL & CO. LTD.

192 Saven Sisters Road, London, N.4 ARChway 1846

U.S. Manufacturer seeks British license for the sale of his recogn zed synthetic pharmaceut cal specialties on a royalty basis. Active material for ampouling and tableting to be supplied from United States or-if preferable-to be manufacture by licensee, following available processes. Inquirie of pharmaceutical companies with manufacturin facilities and adequate organization for promotio and sale of ethical pharmaceutical specialties will be appreciated. Address to " The Chemist & Druggist", 28 Essex Street, London, W.C. unde Box No. 5/39.

EXTEND YOUR T. ADE USE A TRADE MARK

CONSULT TRADE MARK PROTECTION SOCIETY 12 CHURCH STREET

LIVERPOOL

Tele: Royal 3172 - 3173



repaired syringes prompt delivery

Write for terms.

Regular and Continuous supplies of bOTTLE & JARS, from I-oz. to 16-oz., direct from Manufacturers.

Enquiries to-

ELESCO MANUFACTURING CO. LTD. 5. PHILPOT LANE, E.C.3.

hemist & Druggist SUPPLEMENT

HEAD OFFICE: 28 ESSEX STREET, STRAND, LONDON, W.C.2
Felephone: Central 6565 (10 lines)
Tergrams: "Chemicus, Estrand, London" For rates see sectional headings Classified Advertisements must be prepaid.

ORRIDGE & CO. (Estd. 1846)

1. Middlesex. Family business with sub-Post Office, situate amid multiple shops. Kodak, Yardley and other good agencies. Excellent dispensing connection. Present turnover approximately £7,600 per annum. Living accommodation available. Price required £4,000 for goodwill plus stock and fixtures at valuation.

2. Devonshire. Light retail business returning £5,000 per annum. Living accommodation available. Price £3,000 plus stock, approximately

£1,200. Early sale desired.

3. South Africa. We have several substantial businesses for sale in the Union and details may be had upon request to London or to our South African Agent, Mr. R. W. Armstrong, P.O. Box 286, Pietermaritzburg, Natal.

4. Kent Drug Store, scope for Pharmacist. Turnover for current year at the rate of £50 per week. Rent £3 per week, sublet £1 2s. 3d. per week. Definite possibility of living accommodation either over business or near. Price required £1,250 plus stock.

5. Scotland. Very substantial wholesale busi-ess for disposal. Total purchase price about ness for disposal. Total purchase price about £125,000. Banker's reference required with application for details.

6. Northern Ireland. Wholesale and retail business for disposal. Net profit at least £5,000 per annum. Handsomely fitted main road pharmacy. Long lease. Price required for goodwill about £12,000 plus stock and fixtures at valuation. In all about £20,000. Controlling interest only

all about £20,000. Controlling interest only could be purchased.

7. South London. Drug Store with freehold property for disposal. Scope for dispensing. Very nice living accommodation. Premises £2,500, goodwill £600, stock and fixtures at valuation.

8. Forest Gate Near. Main road Drug Store with Perfumery. Turnover this year about £8,000 with net profit approximately £1,600. Small living accommodation. Freehold premises may be bought or leased at £5 per week exclusive of rates. Price required for business £2,500 plus the stock at valuation. Stock to be taken over about £2,500.

LONDON · W.C.2 184 STRAND

Telephone: TEMPLE BAR 9212/3-6340

Telegrams: Orridgehem Estrand, London

Branch Offices: 36 Cannon St., Birmingham, 2.

Phone: Midland 6547 Phone: Southampton 71708

For SALES, PURCHASES, VALUATIONS, STOCKTAKING and ASSESSMENTS

BUSINESSES FOR DISPOSAL

words 8/6 (minimum) then 3d. per word. Box 2/-

EDFORDSHIRE. Pharmacist and optician wishes dispose of his optical practice. Turnover is owing very considerable increase under the H.S. Good position. Main road. Unopposed ood sized town. No living accommodation. Anial net profit before N.H.S. exceeded £1,100. urchase price £1,650 plus equipment and stock. urther particulars from Ernest J. George & Co., 29 High Holborn, London, W.C.1. Tel. Holborn 166 106.

OR SALE. Old-established wholesale and manu-OR SALE. Uld-established wholesale and manu-cturing chemists company in Glasgow. Turnover 30,000. Premises situated in City centre. Could be had on lease or purchased. Assessed rent £160. wo flats comprising area of 8,000 sq. ft. All aclities. Purchase price reasonable. Only princi-als need apply. Messrs. Carty & Cairns (Solici-ors), 37 West George St., Glasgow, C.2.

OR SALE as a going concern the old-established hemist's and drysalter's business carried on under the firm name of David Kennedy at 37 High St., Idawick, Roxburghshire, together with the freeholderitable property comprising shop, warehouses and three dwelling houses. Assessed rental £134. For urther particulars apply Thomas Purdom & Sons, olicitors, Hawick, with whom offers should be added. odged.

MODERN VILLAGE Drug Stores, nr. Leominster (Shropshire). Takings, 1945, £1,500; 1946, £1,800; 1947, £2,700, and increasing. Good reasons for selling. Suitable for pharmacist. Nearest opposition 9 miles, Accommodation: 2 bedrooms, lounge, kitchenette, large attic, bathroom. All electric Main water supply. Rent, £65 p.a., lease with option. Price (including shooting brake, 1942 Hillman 10, used for deliveries), £3,500. Box 4/966.

Vacancies advertised are restricted to persons employments excepted from the provisions of the Control of Engagements Order, 1947

SITUATIONS OPEN

36 words 8/6 (minimum) then 3d. per word. Box 2/-

RETAIL (HOME)

BRISTOL. Pharmacist manager required for branch in populous district. Unfurnished flat available. Permanent position and superannuation scheme. Forms of application to be obtained from Bristol Co-operative Pharmacies,Ltd., Castle Green, Bris-

CHELMSFORD. Experienced manager required for good-class pharmacy in Chelmsford. Excellent prospects. Permanent appointment to capable man. Possibility of flat in the near future. Apply Box 4/963.

November 13, 1948

Situations Open—Continued

BOOTS THE CHEMISTS have vacancies in a number BOOTS THE CHEMISTS have vacancies in a number of districts for qualified assistants, male and female. Salary (male) Central London £8 15s. and £10 5s. Metropolitan District £8 7s. 6d. to £9 17s. 6d. Provinces £8 to £9 10s. (Female) Central London £8 5s. to £9 15s. Metropolitan District £7 17s. 6d. to £9 7s. 6d. Provinces £7 10s. to £9 according to age. Engagements are on a permanent basis with good prospects and eligibility for pension, life assurances, etc. There are also a number of vacancies for unqualified assistants fully trained in the husiness and including those dispensers who or vacancies for inqualined assistants fully trained in the business and including those dispensers who have been released by doctors, etc. Good remuneration with a view to permanency, pension scheme, etc. A bonus is paid to all staff engaged in dispensing. Applications should be made to Retail Staff Department, Station St., Nottingham, stating

age, experience and districts preferred.

CHELSEA. Manager required for small pharmacy in Chelsea, preferably with experience of this area. Salary to commence £550 per annum and commission.

Permanent congenial post. Apply Box

CLAPHAM JUNCTION. Flat available and good prospects to energetic pharmacist willing to take over a branch management and develop dispensing connection Salary £520 per annum and commission, Excellent position near Clapham Junction. Apply Box 4/962.

DERBY CO-OPERATIVE PROVIDENT SOCIETY. DERBY CO-OPERATIVE PROVIDENT SOCIETY, LTD., have vacancy for a young qualified assistant (lady or gent.). Duties mainly dispensing. Well-equipped, separate premises; other dispensing staff employed. Any rota services shared. A congenial attractive position is offered to suitable applicant. Apply by letter, giving full particulars, to Secretary, Albion St., Derby.

tary, Albion St., Derby.

DISPENSER, unqualified, required by West End chemists; also dispenser for South Coast town. Interesting post. Please apply Box 5/96.

DORSET COAST. Young qualified assistant required immediately for the dispensing department of a busy good-class pharmacy. Must be capable of occasionally taking charge. Particulars to Shelley Richards, 34 St. Thomas St., Weymouth.

HEPPELLS require qualified manager; no accommodation. Congenial position. Pensions scheme available. No holiday or Sunday duties. Please apply, The Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1.

LADY PHARMACIST, qualified, young or middleaged, required as assistant (sometimes in charge) in country pharmacy in Sussex. Light work, pleasant surroundings, no duties. Apply Box 4/872.

pleasant surroundings, no duties. Apply Box 4/872. LONDON. Qualified pharmacist as manager, M.P.S. Lady or gentleman. Good-class business. Good salary plus percentage on turnover. Permanency. Write Box 5/44.

ency. Write Box 3/47.

LONDON CO-OPERATIVE CHEMISTS, LTD., because of extension, require several experienced pharmacists for branch managerial positions in the suburbs. Salary to be paid would vary between £550 and £650 per annum, plus other emoluments. It is quite possible that in certain instances accomnodation may be provided. Application in first instance to Superintendent Chemist, Grange Rd., Leyton, E.10, when an appointment will be arranged to discuss promotion prospects.

LONDON, S.E. Unqualified assistant required for family business; must be an accurate dispenser. Good prospects. Please give full details of previous experience and are, to Box 5/70.

LIVERPOOL NORTH SUBURB. Permanent qualified

senior for modern good-class pharmacy in pleasant area. Personality, good experience and ability to take responsibility essential. Position now vacant but can wait reasonable time. Fullest particulars and salary first letter. Pharmacy, 31 Alexandra Rd., Liverpool, 23. MAIDA VALE. Experienced manager required f good-class branch in the Maida Vale district Salary, £11 per week and commission. Excelle prospects, Permanent appointment to capable ma

Apply Box 4/960.

MANCHESTER, NEAR. Qualified assistant, eith sex, for busy dispensing business. State salary at full particulars, to Box 4/939.

MANCHESTER POSTAL DISTRICT. Experience the property of the property with the prope unqualified dispenser required for pharmacy wi heavy dispensing, either sex. Full particulars Box 4/940.

Box 4/940.

NORBURY. An interesting post as manageress a high-class drug store is available to unqualification with good experience. Good salary with commission. Write full details of experience, statinger, salary expected, to The United Medicine Country of the United Medicine C

genial post in busy suburban pharmacy. Go-salary and prospects. W. Main, M.P.S. (T.) Masons), 264 London Rd., North Cheam. Tel Derwent 1253.

MORTH LONDON. Unqualified assistant with d pensing experience required for busy pharmac good commencing salary plus participation N.H.S. remuneration; the position would be w suited to a North Country man desiring Lond experience. All replies treated in confidence. B 5/67

OPTICIAN (or pharmacist-optician) very urgen required to manage optical department in Nor required to manage optical department in Non Country market town. Old-established, busy option practice. On C.P.C. List and preferably F.S.M. or F.B.O.A. Good salary and permanent positic State experience and earliest date available. Gibs & Son, Chemists & Opticians, Hexham, Northu berland.

ORRIDGE & CO., Employment Agency, 184 Stran W.C.2. Temple Bar 9212/3. Branches at Sout ampton and Birmingham. Enquiries invited fre pharmacists and unqualified persons requiring situations. tions. Many attractive vacancies available. lent opportunities existing in progressive permane cies. Locums provided for. No charge to elloyees except registration fee. Apply to I ployees except registration fee. Apply to 1 Strand. W C 2, in first instance.

PHARMACIST. Excellent opportunity for expe

enced man manage good-class dispensing pharma Kensington. Good salary and commission. Apr "I," c/o Box 5/79.

"1," c/o Box 5/79.

PHARMACIST to take charge West London branc Good salary and prospects for suitable applications and prospects for suitable applications and the suitable application of the suitable and dispensing business in Central London. Good wages and prospects to keen engetic workers. Apply, The Secretary, Termin 7147

QUALIFIED ASSISTANT (lady or gentleman) take charge of dispensing (no counter work) I small business in S.E.18 area. Salary £10 week Prospects of early rise. Phone Woo 3607 for a pointment

QUALIFIED ASSISTANT required. Dispensi duties only, for central pharmacy. Apply to Sur Chemist, Dartford Co-operative Society, 44 Spi

St., Dartford, Kent, stating full particulars.

QUALIFIED BRANCH MANAGER required. £
per week and commission on dispensing (minimu
£1). Accommodation available Superment £1). Accommodation available. Superannuation scheme in operation. Apply Kidderminster Coperative Chemists. Ltd., Oxford St., Kidde

QUALIFIED DISPENSER required, male. Hou 9 a.m. to 6 p.m. No half-day or Sunday dution London area. Box 5/99.

QUALIFEED DISPENSER required, either sex. Hou 9 a.m. to 6 p.m. No half-day or Sunday dutive except on rota week. West Riding Yorkshire, bu N.H.S. Box 5/29.

Situations Open—Continued

OCKTON-ON-TEES. Pharmacist (lady or gentle-

an) required to undertake management of fully affed dispensing business. A substantial salary will paid to a competent manager. T. W. Salmon Son, Ltd., 38 High St., Stockton-on-Tees.

HE ROYAL ARSENAL Co-operative Chemists, d., has vacancies in South-east and South-west stricts of London for qualified pharmacy manars. Salary, based on sales, ranging from £550 per annum, plus commission on health surance dispensing. Permanent progressive position, stating age, experience, whether married tion, stating age, experience, whether married single, to the Staff Manager, 113, Powis St., colwich, S.E.18.

oolwich, S.E.18.

NOUALIFIED ASSISTANT for busy cash business
Battersea, London, S.W. Must have good exprience in dispensing and family retail. Permanrience in dispensing and family retail. Perman-

rence in dispensing and family retail. Ferniancy with good prospects for capable man. Arngements for living accommodation could be
ade if necessary. State age, experience, and
lary required, to Box 5/98.

NOUALIFIED LADY ASSISTANT with dispensing
perience required. Good salary, good prospects.
triculars to J. Chazan, Chemist and Optician,
Dode St., Ellesmere Port, Cheshire.

RETAIL (OVERSEAS)

DMBAY. Allen & Hanburys, Ltd., require a armacist for a senior executive position in their anch. Candidates should be not over 35 years' age and preferably single. Applications, with llest details of education, technical qualifications d previous experience should be addressed to ersonnel Manager, Allen & Hanburys, Ltd., Lon-

pronnel Manager, Allen & Flandurys, Etc., Lon-in, E.2.

DUTHERN RHODESIA. Fully qualified M.P.S. quired on 4-year contract. Excellent prospects resingle man age 25-35. Reply, stating qualifications and salary required, to Box E 692, c/o reets, 110 Old Broad St., E.C.2.

TEST AFRICA, NIGERIA. Qualified chemist and ruggist (English certificate only) required; age mit 35. Commencing salary £700 per annum, cording to age and experience. Good prospects. Decial allowance for married man with children. our of 21 months with leave on full pay. Free ssages, furnished quarters, medical attention in frica and membership of pension fund. Apply in iting, giving full particulars, to United Africa o., Ltd., Coast Staff Dept. (Chemist), Unilever ouse, Blackfriars, London, E.C.4.

WHOLESALE

"Manufacturers of nationally advertised sensational bottled line invite applications by only well introduced,

top class salesmen

calling daily on Retail and Wholesale Chemists and Druggists in the following areas:—West of England, South Coast, Home Count es, M d'ands, Lancashire, Yorkshire, Wales (N. & S.), Eastern Count'es,

This product is suitable as additional line for men representing no more than one or two other manufacturers. Liberal commission and introduc ion bonus will be paid. Live accounts handed over. When writing please state exact territory covered, lines carried and mark your envelopes with your territory—(e.g., Yorkshire) Box 5/57."

The Institute of Chemists-Opticians, 2 Clements Inn, Strand, W.C.2

For Syllabuses of the Institute's Examinations and an further Information, write to the Hon. Secretary, J. Ross-Mansell, Ph.D., B.Sc.

A LEADING FIRM of baby food manufacturers invite applications from men of good social and trade standing between the age group 26-40 in connection with a vacancy for a pharmaceutical trade representative, resident in either Shetmeid or Nottingham, to cover South Yorks, Notts and Leics. The appointment is of a permanent character, carrying a good salary, pension scheme, and excellent prospects for personal advancement. Box 5/75.

ALLEN & HANBURYS, LTD., Wigmore St., require capable young lady pharmacist to be trained for work on surgical suture production. Experience of sterilisation and aseptic technique an advantage. Small staft to be controlled. Apply in first instance to Personnel Manager, Allen & Hanburys, Ltd., Bethnat Green, London, E.2.

AN OLD-ESTABLISHED London house require a young, qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poison. Write, giving full particulars of age, experience and salary required. Box 5/59.

ASSISTANT with some pharmaceutical experience required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required. Box 5/61.

lars and salary required. Box 5/61.

A SMALL NUMBER of vacancies exist for young, energetic pharmacists as representatives of a well-known company engaged in medical propaganda and sales. Applicants should be below the age of 30 and prepared to reside in any part of the country. Consideration will be given to applicants who are unqualified but have some technical knowledge. These positions carry a good salary and offer scope for advancement. Apply by letter, giving fullest details of age, experience and salary expected, to Sales Manager, Box 5/92.

CHEMIST (pharmaceutical) required by large firm of manufacturing chemists, Manchester area. Comencing duties would be mainly routine analytical and control work. Good prospects. Write, giving

full details to Box 5/83.

COATER required (sugar and pearl) by tablet manufacturers in Middlesex. Excellent opportunity for skilled worker. Good wages and conditions. day week. Apply, giving full details of experience, to Box 387, Smiths', 100 Fleet St., E.C.4.

DRUG COUNTER HANDS with wet and dry experience required immediately by manufacturing chemists in London area. Five-day week. Canteen.

Apply Box 5/53.

EXPERIENCED PROCESS WORKER required for laboratory work. Applicants should have practical knowledge of all galenical manufacture, able to calculate working formulæ and be capable of taking charge if necessary. Full particulars to Box 5/78 5/78.

EXPERIENCED TABLETER required, capable of taking charge of department, with thorough know-ledge of all branches of the trade, including rotary and single punch machines; also sugar-coating plant. Five-day week. Write, stating age, experience and salary required, to Box 5/50.

FULL EXPENSES, progressive salary and pension offered to medical/trade representatives pesiding in or near Cardiff, Birmingham and Leicester, by London pharmaceutical house. Pharmaceutical experience an advantage, but not essential. Write in first instance to Box 4/482.

Situations Open—Continued

IMPROVER (man 25 or under) required by wellknown chemical manufacturers for perfumery manuknown chemical manufacturers for pertumery manufacturing department. Excellent opportunity to increase experience in blending, matching, etc perfume essences. Candidate with background of chemistry to Inter. B.Sc. standard and some experience aromatics manufacture preferred. Apply in writing, giving full details (confidential) and quoting reference No. 2079, to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

IMPERIAL CHEMICAL INDUSTRIES, LTD., have a vacancy for a pharmacist with literary ability and experience in the compilation of literature and the

experience in the compilation of literature and the provision of information relating to medical and veterinary pharmaceutical products. Applications, with full particulars, should be addressed to Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester. This post is ex-cepted from the provisions of the Control of En-gagement Order, 1947.

EABJRATJRY ASSISTANT required by chemical manufacturers in N.W. London (Ealing/Wembley area). Chemical qualifications not necessary but must have sound training and experience. Knowledge of textiles also useful. Good prospects. Send

full particulars to Box 5/66.

MACLEANS want an experienced sales representative with good connections in Northern Lancashire, Westmorland and Cumberland. Good salary, travelling expenses paid, motor car provide provided. Superannuation scheme operated. Write giving full particulars of past experience to Sales Director, Macleans, Limited, Great West Rd., Brentford, Middlesex.

MANUFACTURING CHEMISTS in North Lonodn require young organic chemist for development work on fine chemicals used in medicine. Salary accord-

on fine chemicals used in medicine. Salary according to age and experience. Please send full details of qualifications to Box 5/63. MANUFACTURING CHEMISTS require area agents with good connections amongst chemists for a product in everyday use. Applications with full particulars of present territory and companies represented. Box 5/25.

MEDICAL WRITER. The British Drug Houses, Ltd., have a vacancy for a copywriter to assist in the preparation of brochures and Press advertise-

Ltd., have a vacancy for a copywriter to assist in the preparation of brochures and Press advertisements. Previous experience an advantage but not essential if applicant can show evidence of literary ability and has some knowledge of medical representative work. Applications with fullest details of experience, and stating salary required, should be addressed to the Personnel Manager, ref. AS/LNB, The British Drug Houses, Ltd., Graham St., London, N.1.

MIDLANDS. Manufacturing chemists require young man as manager for small factory. Experience in staff control essential. Good prospects. House available. Full details of education, experience and salary required, to Box 5/41.

OPPORTUNITY OCCUR3 with progressive firm of manufacturing chemists for three representatives with acumen, drive and initiative, to take control of: (1) South London, Surrey, Kent. (2) Warwick, Derby, Notts, Leicester, Northants. (3) Home Counties. Remuneration by generous salary and commission. Sole agencies considered. The positions are permanent, congenial and progressive. Applicants must prove well-established connections over along period. Car an advantage. Fullest details, in confidence, are essential in first letter and prior to an interview. Box 5/85. prior to an interview. Box 5/85.

PHARMACEUTICAL HOUSE requires the services of a qualified representative with experience of calling upon the medical and dental professions, for Scottish and North of England territory. Apply, stating age, experience and salary required, to Box 5/64.

OPPORTUNITY OCCURS with progressive firm o merchants for: (1) Export manager with thorough knowledge of markets and suppliers, experiencer industrial, fine chemicals, dyestums and allied trade able to take sole charge, supervise formalities, etc Excellent prospects for a man with sound business acumen, drive and initiative. (2) Assistan manager, male or female, similar qualifications Applications with full details in confidence. Bo. 5/23.

PHARMACIST REQUIRED (single) preferably with experience in the wholesale trade in the prepara tion of tinctures, infusions, etc. Write, stating ag and experience, to White, Tomkins & Courage Ltd., North Albert Works, Reigate, Surrey.

PROCESS WORKER required by tablet manufacturers in Middlesex. Experienced in mixing an granulating. Good wages and conditions. Five-da week. Apply, giving full details to Box 38 Smiths', 100 Fleet St., E.C.4.

PROMINENT business organisation (London area has vacancy for executive, experienced in the hanc nas vacancy for executive, experienced in the hanc ling of retail stocks; the position would be a progressive one, subject to a satisfactory initial perio of service; apart from the experience factor the person appointed must be a man of first-clar character, good address and capable of exercisin proper supervision. Please write initially unde guaranteed assurance of confidence, stating part culars of experience, commencing salary, etc., t Box 5/68.

QUALIFIED CHEMIST (Ph.C., B.Ph.) or equivaler preferred), age under 30, required for pharmaceu-tical department of well-known London firm Robusedge of tablets, ampoules, etc., an advantage Reply, giving details of experience and salary required, to Works Manager, Box No. S. 3336, T. C Scott & Son, Ltd., Talbot House, 9 Arundel St Strand, W.C.2.

QUALIFIED CHEMIST (male) fully experienced a branches, technical and commercial, required b manufacturing chemists in Scotland. Managerie experience essential. House available. Apply, stating age, qualifications and salary desired, to Bo No. 538 Keith & Co., Advertising Agents, Edir burgh.

REPRESENTATIVES required on excellent commis sion terms, for new, easy selling, attractive an unique hair cream. Selling through gentleman' hairdressers only. Territories available. Yorkshire Midlands, South Wales, Eastern and Souther Counties, and Scotland. Advertising being under taken. Box 5/94.

REPRESENTATIVE required by old-established Lon don house for Midland teritory. Applicants shoul have live connection with retail chemists and preferably some previous retail experience, not neces sarily qualified. Please state age, experience an remuneration required. Box 5/58.

REPRESENTATIVES required for the following areas Midlands, West of England and South Wales, an West London. Must have good connection amongs chemists, drug stores, herbalists, surgical stores rubber stores, etc. Fixed salary and commission Apply Box 5/71.

REPRESENTATIVE required for the Yorkshire and Lancashire area, to represent a manufacturin house producing a full dispensing range of compressed tablets of the barbiturates and allied drugs Experience of retail pharmacists and hospital pharmacists. Salary, commission and expenses. Own car an advantage but not essential. Box 5/65.

Situations Open—Continued

PRESENTATIVE required by old-established manuturing house and applications are invited from in with sales experience in drugs, chemicals and ked pharmaceuticals. The vacancy occurs in st of London area and existing sound connection be transferred. Box 4/949.

RESENTATIVE required by manufacturers of I-Kilowii hypodermic syringe to call on hossis and wholesalers in the Birmingham and Staf-Ishire areas. Man with hospital connection preed. Salary, expenses and commission. Permacy. Box PP. 3623, W. H. Smith & Son, Ltd., nchester, 3.

PRESENTATIVES required, Nationally advertised of products, Training given, Good prospects, ritories vacant: Northern Counties, including the Yorkshire; West Country; Home Counties; cashire. Apply Box 5/80, stating age, etc.

RESENTATIVES required for live wholesale see, carrying usual calemist lines. Good connections with the country of the country

with chemists essential. London and Hone mites only. Wortnumlie remuneration for good in Apply. Martin Brent, Ltd., Beresford Ave.; nebridge Park, Wembley. Phone Wembley 2113. PUIRED FOR YORKS, LANCS, and some more so, live representatives with established connects among chemists, hairdressers, Co-ops., and the stort toilet brushware, chemists' sundries and cy goods. Car essential. Write N. Dison & Ltd., 12 Grays Inn Rd., London, W.C.1.

ES AGENTS and representatives with live continuons with chemists, drapers, druggists, depart-

ES AGEN/S and representatives with live contions with chemists, drapers, druggists, departinal stores, Co-operatives, etc., required by infacturers of surgical dressings (S.T's) in thand and various other parts of the country. It is most of the country because the surgical dressing than the country of the particulars. Box 5/42.

ES REPRESENTATIVE with existing connections and chemists, Co-operative Societies and wholers in Cumberland, Westmorland and North leashire, required by manufacturing chemists keting/nationally advertised to liet and medicinal ducts. Superannuation scheme operative. Car advantage. Write, giving details of age. exducts Superannuation scheme operative. Car advantage. Write, giving details of age, exence and salary required, to Box No. A.2399, son's, Kingsway Hall, London, W.C.2.

JAR COATER. An opportunity occurs for a case coater, with experience in all types of

n and coloured work, to take charge of de-tment in old-established London house. Write,

iment in old-established London house. Write, ng details of age, experience and salary rered, Box 5/60.

BLET COATER. Wanted, a first-class coater, able of handling all grades of work. London a. Apply, giving full details of age, experience, ry required. Box 5/62.

QUALIFIED LADY required for testing and ks laboratory of chemical manufacturers North adon. Applications with full particulars, trainexperience, if any, age and salary required, Box 4/532.

LL-KNOWN MANUFACTURING chemists have ancy on representative staff for a pharmacist havide experience in the retail business. In ition to the regular contracting of retailers wholesalers, the successful candidate will be ured to call upon doctors and dentists. The t is interesting and progressive. Remuneration salary and expenses. Residence on the territory, ch comprises Lincs, Notts, Leics, and Derby, essential. Applicants should give fullest partiars of experience and age in fullest confidence.

UNG, ENTHUSIASTIC REPRESENTATIVE rered by firm of world repute to call on chemists other outlets in Northern Ireland, for medial proprietaries, toiletries, surgical dressings, etc. ly, giving experience, age, whether married, driver and salary required, to Box 5/69.

WHOLESALE (OVERSEAS)

OVERSEAS OPPORTUNITY in East Africa as representative with a British-owned company; agents for sentative with a British-owned company; agents for well-known U.K. pharmaceutical manufacturers. Excellent prospects for a qualified pharmacist capable of developing sales of ethical pharmaceuticals in the territory. Please furnish full particulars of career, education, qualifications, personal details and salary required, to Box 5/91.

SITUATIONS WANTED

18 words 3/- (minimum) then Id. per word. Box I/-

RETAIL (HOME)

AS ASSISTANT. Temporary position required by unregistered assistant. Whole or part-time (preferred). London or Eastern Counties. Competent dispenser, excellent salesman, with long and varied

experience. British, abstainer, middle-aged, active. Present place (West End) four years; previous place (City) three years. Box 5/81.

DISPENSER. 10 years first-class experience, including apprenticeship; seven years first-class wholesale experience with London house. Experienced saie experience with London house. Experienced stockkeeper, window dresser and all branches. Resident Middlesex. Married. Will move if accommodation available. State salary offered. Box 5/101. DISPENSER (36), Apothecaries' Hall, ex-V.A.D., available for hospital appointment. Widely experienced, which includes over seven years in military and mental hospitals. Secretarial duties also if required. Box 5/86.

DISPENSER/SECRE (ARY (Apothecaries' Hall) requires post, part-time or otherwise. Any capacity, Light dispensing if required, but optional. Box

UNQUALIFIED, with long, wide experience all branches. Reliable, keen display, counter, N.H.S., etc., seeks position. Living accommodation required. Would invest £1,000 if desired. "Business," 5/97.

WHOLESALE

ABSOLUTELY RELIABLE, unqualified assistant, apprentice trained. 19 years' all round retail experience, desires representation with reputable firm. Holder of "A" certificate with outstanding school of salesmanship. Guaranteed fit and agile, with the will and power to succeed. Yorkshire area preferable, but necessary arrangements could be made. Fullest particulars available in interview or letter on request to Box 5/49.

or letter on request to Box 5/49.

APPLICANT seeks situation (ex-Service) late shop manager, wholesale chemists' and druggists' sundriesman. 18 years' experience. Car owner. References, etc. London area Preferred. Box 5/105.

ASSISTANT MANAGER, with 20 years' varied experience in sales, organisation and reorganisation, and manufacture in pharmaceutical wholesale and industry, seeks new start in progressive concern capable of developing in chemico-pharmaceutical industry. London area. Box 5/55.

EXPORT. Young man, used working own initiative. Good knowledge export/import conditions, chemi-

Good knowledge export/import conditions, chemi-

cas and pharmaceuticals, desires position in three months' time. Box 5/52.

GENTLEMAN (35), first-class wholesale and retail experience all branches, desires change, representative or responsible inside position. Box 5/102.

MANAGING DIRECTORS please note: Sales managements and processing the sales and process are process and process and process and process and process and pr

(age 40) seeks change to improve present position with leading cosmetic manufacturing house. 15 years' experience at home and abroad. Excellent connections with leading buyers and ability to control large sales organisation. Widely travelled and linguist. Remuneration required, £1,500 per annum. Interview London area only. Box 5/87.

Situations Wanted—Continued

ENTHUSIASTIC YOUNG MAN (23), 6 years' retail experience, desires position with reputable firm as representative for Northern Ireland. Character Commission basis or bears closest investigation.

bears closest investigation. Commission basis or agency. Box 5/4.

HUME SALES MANAGER, qualified, thoroughly experienced all sides sales control, promotion and

advertising. Box 5/89.
M.P.S., 45, public school education, ex major, desires change of representation with a view to appointment to executive staff in managerial or appointment to executive staff in managerial or supervisory capacity, 8 years' experience as medical propagandist in London and Provinces of which 4½ years have been spent in West End of London. Also experience on sales side. Excellent testimonial of past work available. Box 5/72.

PHARMACIST seeks executive position in pharmaceutical or cosmetic factory where wide experience can be utilised. Experienced manufacturing and

can be utilised. Experienced manufacturing and laboratory control, buying, works management, machinery and formulation. Preference for smaller

to medium size factory in established business. London or Home Counties. Box 4/980, SAIES MANAGER (F.S.M.A.), widely experienced, having established connection with chain stores, department stores, multiple and wholesale chemists and thoroughly conversant with all phases of marketing and sales organisation, seeks appointment in London area. Box 5/47.

APPOINTMENTS

2/6 per line (12 lines=1"). Box 2/-

BANSTEAD HOSPITAL MANAGEMENT COMMITTEE

LOCUM TENENS ASSISTANT PHARMA-COCUM TENENS ASSISTANT PHARMA-CIST (whole time) required at Banstead Hos-pital, Sutton, Surrey, Male or female. (Married women eligible.) Accommodation available for single persons. Salary £9 per week. Oppor-tunity for permanent employment under the salary and conditions of the Joint Negotiating Committee (Hospital Staff). An applicant for part-time duty may be considered Apply part-time duty may be considered. Apply, with full details of experience, to the Physician Superintendent

> RAMPTON STATE MENTAL INSTITUTION

NEAR RETFORD, NOTTS.
PHARMACIST. (Male or female.) A vacancy exists at the above Institution for a registered pharmacist. Scale of salary for pharmacist in sole charge: £420 x £15 x £525 per annum. In addition an allowance of £50 per annum will be paid to a qualified optician.

An attractive three-bedroomed cottage available for a married man. Rent £40 per annum. Quarters are available for a single person at a charge of £40 per annum plus cost

of board.
The post is subject to the National Health Service (Superannuation) Regulations, 1947-48.
Amenities include tennis courts, badminton,

swimming pool, etc.

Applications, stating age, experience, references, etc., should be sent to the Medical Superintendent.

JESSOP HOSPITAL FOR WOMEN, SHEFFIELD

ASSISTANT PHARMACIST (female) required immediately. Salary in accordance with J.N.C. Scale including lunch and tea when on duty and overalls. Previous hospital experience not essential. Superannuation scheme in force. Applications, with full particulars, to Superintendent, Jessop Hospital for Women, Leavygreave Rd., Sheffield, 3.

BRADFORD EDUCATION COMMITTEE TECHNICAL COLLEGE, BRADFORD

Applications are invited for appointment as ASSISTANT LECTURER IN PHARMACEU-TICAL CHEMISTRY in the College.

The salary according to the Burnham Scale, including allowances, may range from £300 to £660 per annum. Commencing salary according to qualifications and experience. The commencing salary may, subject to approval, be in-creased up to a maximum of tweive increments of £15 per annum in respect of approved ser-vice in the industry.

Further particulars of the appointment and forms of application may be obtained from the Director of Education, Town Hall, Bradford, and completed forms should be returned to the Principal of the College within two weeks of the publication of this advertisement.

A. SPALDING, Director of Education.

BROMPTON HOSPITAL, LONDON S.W.

Applications are invited from Registered Pharmacists for the post of ASSISTAN'T PHAR-MACIST. Salary in accordance with the J.N.C. scale. Hospital experience not essential, but such experience taken into consideration for determining commencing salary within the scale. Applications, stating age and previous experience, and accompanied by recent testimonials or the names of two referees should reach the undersigned not later than Saturday. 27th November, 1948.

F. G. ROUVRAY, House Governor.

EXETER AND MID-DEVON HOSPITALS MANAGEMENT COMMITTEE

ROYAL DEVON AND EXETER HOSPITAL, EXETER, require two assistant Pharmacists (male or female). Salary according to J.N.C. (Hospital Staffs) Scale. Hospital experience preferred but not essential. The posts are preferred but not essential. The posts are subject to the National Health Service (Superannuation) Regulations. Applications, with full particulars, and copies of not more than three testimonials, as soon as possible to the Secretarv.

KING'S COLLEGE HOSPITAL. DENMARK HILL, S.E.5

REGISTERED ASSISTANT PHARMACIST required. Salary and hours in accordance with the J.N.C. scale. Superannuation scheme in force. Applications, with details of experience, should be sent to The Pharmacist at the above address.

THE UNITED LEEDS HOSPITALS THE GENERAL INFIRMARY AT LEEDS

Applications are invited for the appointment of ASSISTANT PHARMACIST (two required). Salary commencing at £350 p.a., plus meals, which will be provided when on duty, but subject to adjustment in the light of scales to be made known by the Minister of Health. National Health Superannuation scheme in force. Night and week-end duty will be worked in rotation. Previous hospital experience not essential. Applicants must reply in own handwriting, stating sex, age, and experience, and also enclose copies of not more than three recent testimonials, to the Secretary to the Board, not later than 18th November, 1948.

LAMBETH GROUP HOSPITAL MANAGEMENT COMMITTEE

ART-TIME DISPENSER required (Monday, Vednesday and Thursday afternoons) for Annie (aCall Maternity Hospital, Jeffreys Road, W.4. Salary according to National Joint Jouncil Scale. Applications, stating age, exercince and qualifications, and giving two ames as referees, to be sent to The Secretary, ambeth Group Hospital Management Comittee, Lambeth Hospital, Brook Drive, S.E.II. ithin seven days of the appearance of this devertisement. dvertisement.

LEWISHAM GROUP HOSPITAL MANAGEMENT COMMITTEE

JOHN'S HOSPITAL, LEWISHAM, S.E.13 Applications are invited for the appointment, from December 1, 1948, of a full-time IRST ASSISTANT PHARMACIST. Applints should be experienced in hospital disensing, preparation of sterile solutions, etc. N.C. salary scale, with requisite reductions, pplications, with copies of recent testimonials, addressed to the Secretary at the ould be addressed to the Secretary at the

BOTLEYS PARK HOSPITAL MANAGEMENT COMMITTEE

EGISTERED ASSISTANT PHARMACIST or Botleys Park Hospital, Chertsey, Surrey, N.C. (Hospital Staffs) salary, viz., £370 in-usive; annual increments up to £450 p.a. revious experience may determine commencing lary. Recently qualified pharmacists eligible. hole-time, established, pensionable, subject medical examination. Application, stating ge, qualifications, experience, with copies of of more than three recent testimonials, to hysician Superintendent, Botleys Park Hospi-l, Chertsey, Surrey.

SOUTHEND-ON-SEA HOSPITAL GENERAL HOSPITAL, ROCHFORD

Applications are invited for the position of SSISTANT PHARMACIST at the above ospital. Candidates should hold one of the gistrable qualifications of the Pharmaceuti-I Society. The salary is in accordance with e recommendations of the Joint Negotiating ommittee (Hospital Staffs) i.e., £370 x 15(4) x £20(1) to £450 per annum. The mmencing salary will depend upon previous spital experience.

mmencing salary will depend upon previous spital experience. The position is subject to the provisions of e National Health Service (Superannuation) egulations, 1947. Application forms may be brained from, and must be returned as soon possible to, the Medical Superintendent, eneral Hospital, Rochford, Essex.

LOCUM ASSISTANT PHARMACIST renired immediately for minimum of two onths. Salary £8 10s. per week. Non-resint, All possible assistance will be given in inding accommodation in the district, without bligation to the hospital. Apply immediately the Medical Superintendent, General Hospital, Rochford, Essex (Tel. No. Rochford 278), stating date when available.

JOHN WILLIAMS

Secretary,

Hospital Management Committee.

Warrior Square,
Southand on Sec.

Warrior Square, Southend-on-Sea.

AGENCIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

AGENTS WANTED, calling on manufacturers of chemicals, cosmetics, foodstuffs, disinfectants, polishes, etc., to sell for prompt delivery 50,000 gross new bottles and jars in sizes from 1 dram to 5 gallons, with metal or plastic screw caps; 20,000 strong wooden and plywood cases suitable home or export packing; 50,000 corrugated and fibreboard cartons; 20,000 gross lever lid, slip lid and screw neck tins from ½ oz, to 5 gallons capacity; 200,000 sheets waterproof and brown wrapping paper. Regular supplies. Large earnings for right man. Commission only. Send details experience, territory, age, other lines carried, to Box 5/27.

MANUFACTURERS of well-known, nationally-advertised C.F. line are open to appoint an experienced agent for the Midlands, Please state full particulars in first instance, Box 5/18.

BUSINESS OPPORTUNITIES

36 words 17/6 (minimum) then 4d. per word. Box 2/-

FRENCH PERFUMERY. House of highest class, established in the U.K. for over 30 years, wishes to contact English manufacturers of similar articles with a view to manufacture in England; take over and extend sales. Sales organisation and export to British Colonies, Box 4/967.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture and/or packing of domestic, industrial or toillet products. Bottle, powder and tube filling. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Reliance 3435.

SMALL FIRM with floor space and about 40/50 female operators would like to bottle and label for wholesale chemists. Apply Fruit Packers (Essex), Ltd., Witham Essex.

FOR SALE

36 words 8/6 (minimum) then 3d. per word. Box 2/L

FOR SALE. Small tablet machine, hand or power drive. Reconditioned. One set of punches and dies. £20. W.N., "Whitecliff," Sutherland Ave., Biggin Hill, Kent.

IODISED GLYCERINE and blackcurrant pastilles. Approx. two tons packed in 18 lb. tins. Write for sample and price, stating quantity required. Box 5/54.

LEITZ MICROSCOPE, with 1/12 in., \(\frac{1}{2}\) in. and \(\frac{1}{2}\) in. objectives, one eyepiece, rotating stage, substage, condenser and iris, etc. Standard model, \(\pm\)30. Leitz moving stage if required. Godfrey, 9 Regency Pl., S.W.1.

MANESTY F.2 tablet machine, brand new, complete with electric motor, for tablets up to $\frac{3}{4}$ " diameter. Available shortly. Enquiries invited to

PEPPERMINT OIL. Genuine American. Offers to Box 5/95.

SURPLUS. 14 lb. lavender concentrated perfume compound and 7 lb. Fougere. Any reasonable offer accepted. Box 5/90.

STOCKTAKING FOR INCOME-TAX PURPOSES OR SALE VALUATION IN 1949

MAKE YOUR NEW YEAR RESOLUTION

for Better Service.

Accurate Valuation.

Results available seven days after valuation.

No dislocation to the normal routine of business.

Every care, confidence and attention to detail.

Scale terms based on the net cost of stock, etc.

By applying NOW to-

4/970.

M. H. BARNES, Licensed Appraiser
4 CHARLWOOD STREET, VICTORIA, S.W.I

Telephone: VICtoria 5686

WANTED

36 words 8/6 (minimum) then 3d. per word. Box 2/-STEARIC ACID, triple pressed, required in large quantities. Box 4/2. SUGAR PILLS, 1 grain, for homocopathy; cwt. lots; material supplied. London area. Box 5/77. TRIPLE PRESSED STEARIC ACID required in small or large quantities. Particulars and prices to Box

MISCELLANEOUS SALES

36 words 17/6 (minimum) then 4d, per word. Box 2/-

Af ATTRACTIVE PRICES, for disposal. skin glue in cakes; 16 cwt. ground skin gue; 12 cwt. bone glue in cakes; 8 cwt. technical gelatine; 3 cwt. edible fine leaf gelatine in 1 lb. packets.

Box 5/43.

COMPLETE TABLET MANUFACTURING PLANT for disposal, used for the manufacture of cough drops, and comprising tablet compressors by Manesty, Lehmann, Duhring, Killian. Tablet counting and filling by Russell Construction, Manesty Granulator, trixing machines. All in excellent condition. Full details from Box 5/76.

FOR SALE owing cancelled export order. 1 ton sodium salicylate, B.P. Packed in drums, Delivery directly from works, Best offer. Box 5/51.

FOR SALE owing cancelled export order. 1 ton sodium salicylate, B.P. Packed in drums. Delivery directly from works. Best offer. Box 5/51. FLAT "PERSPEX" SHEETS, clear (54 in. x 48 in.), or 16 colours (48 in. x 36 in.), or sizes cut to special shapes; corrugated "Perspex" roof lights; aluminium, alloy and plastic sheeting and mouldings. Henry Moat & Son, Ltd., Atom Works, Newcastle, 1.

Newcastle, 1. 520,000 new No. 1 key glass tablet bottles and caps. 2,000 new 6 in. x 6 in. slip lid tins. Offers to Organon Laboratories, Ltd., Deer Park Rd., London, S.W.19. Tel. Liberty 2227.

PHARMACEUTICAL FORMULAS

The 11th Edition (1945) is now available. It contains a wide range of formulas of essentially or predominantly pharmaceutical character, including the relevant contents of the B.P. and its six Addenda, the B.P.C. and five Codex Supplements, the U.S.P. XI and XII (with supplement), the French Codex of 1937, National Formularies VI and VII, The National War Formulary, The National Formulary for N.H.I. purposes, The Formulary for Use in Military Hospitals, and a section briefly summarising present methods of sterilisation. This considerable group is therefore brought into an ordered relationship, and the book thus provides essential information for every pharmacist.

The Edition is limited. Make sure of your copy, post free, by sending remittance value 21/9 forthwith to

THE CHEMIST & DRUGGIST 28 ESSEX ST., STRAND, LONDON, W.C.2

OINIMENT or toilet cream jars, 4-oz., ami complete with blue metal caps. Approximately gross for sale. Offers invited for the total quan or odd lots. Specimen jar on request. Box 5/ OVERSEAS OFFER of cinnamon leaf oil, patche oil and leaves, frankincense, gum olibanum, other vegetable products. Replies to Box 5/56 PROGESTERONE AMPOULES. Export order to plus. 5 I.U. in 1 c.c. Packed six per box. M mum 100 boxes, 7/6 per box. 1,400 boxes av able. Box 5/103.

mum 100 boxes, 7/0 per 100x, 13,100 co.c.s. a able. Box 5/103.

REDUCED PRICE to clear surplus, 6 ex. Panch matic films to fit 120/620. Every film guarant perfect, 18s. doz., plus carriage, Gross lots of riage paid, C.O.D. post, Box 4/922.

STANDARD SACCHARIN TABLETS for sale in b

STANDARD SACCHARIN TABLETS for sale in b at 4/11 per 1.000 tablets; in packets of 100 tabl per dozen packets at 6/-. Pro forma basis. Post free on all orders from and above 5 gross. 1 5/100.

STERILE WATER for sale, 25,000 x 50 c.c. a poules. Highest offer. Box 5/84.

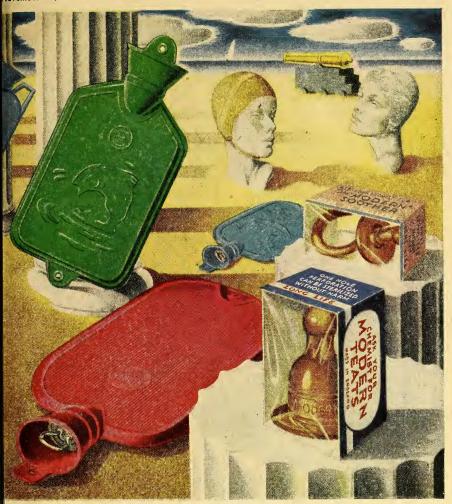
SURPLUS STOCKS for disnosal. 10 gallons bit almond oil substitute. 28 lb. camphoric at 13 lb. collodion flextile. 28 lb. gum thus. Re Box 5/104.

PARTNERSHIPS

36 words 8/6 (minimum) then 3d. per word. Box

GENTLEMAN (35) requires active partnership manufacturing concern on sales side, London ar Box 5/82.

unqualified but experienced dispenser designers business with pharmacist. Drug stores of sidered. Also limited company. Birmingham or L don area preferred, not essential. Desirous of ling accommodation. Capital available £1,5 Genuine advertiser. Box 5/73.



UTSTANDING in a range of fine products

The "Ripple" and "Dolphin" hot water ottles, built by CANNON RUBBER for british winters will be in demand as much or their attractive design and gay colouring s for their sturdy, durable construction. Cacked in smart, hygienic, transparent enclopes these hot water bottles are eminently uitable for counter display. Check your tocks for the winter, now! (Obtainable form your regular wholesaler.)

CANNON RUBBER

HOT WATER BOTTLES

Built for British winters

The Cannon Rubber Manufacturers Ltd. London N.17



No higher in price than nondescript makes . . . Also—Household Bath and Works Thermometers the best of their kind.

Phone: LIBERTY 2283-4-5

The ethical medical preparation for the treatment of Asthma





BRITISH FEISOL COMPANY LTD IGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.I. Telephone, Clerkenwell, 5862 Cables, Felsol, Smith, London.

PATA